

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081120\
 Data File : VV017912.D
 Acq On : 11 Aug 2020 16:35
 Operator : SY/MD
 Sample : VSTD01064
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

Quant Time: Aug 11 19:47:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 11 19:45:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	270341	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	257889	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	125477	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	21209	13.86	ug/L	0.00
7) Chloroethane-d5	1.58	69	17024	13.18	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	39603	11.38	ug/L	0.00
21) 2-Butanone-d5	3.92	46	25017	25.36	ug/L	0.00
24) Chloroform-d	4.37	84	36868	9.98	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	24199	9.24	ug/L	0.00
32) Benzene-d6	5.07	84	70633	11.33	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	23007	13.58	ug/L	0.00
41) Toluene-d8	7.34	98	61623	10.10	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	9377	9.45	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	12173	20.31	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	28794	11.47	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	24702	9.73	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	22234	10.476 ug/L	98
3) Chloromethane	1.25	50	24652	15.659 ug/L	97
5) Vinyl chloride	1.32	62	24232	13.851 ug/L	95
6) Bromomethane	1.53	94	14121	12.262 ug/L	93
8) Chloroethane	1.59	64	15166	13.732 ug/L	100
9) Trichlorofluoromethane	1.76	101	34516	9.062 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	19492	11.048 ug/L	97
12) 1,1-Dichloroethene	2.13	96	18043	10.943 ug/L	96
13) Acetone	2.19	43	31529	25.709 ug/L	97
14) Carbon disulfide	2.31	76	47802	12.176 ug/L	100
15) Methyl Acetate	2.45	43	21974	14.968 ug/L	99
16) Methylene chloride	2.52	84	24327	13.566 ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	18174	10.765 ug/L	99
18) Methyl tert-butyl Ether	2.78	73	58117	10.121 ug/L	99
19) 1,1-Dichloroethane	3.21	63	36912	12.736 ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	19330	10.615 ug/L	97
22) 2-Butanone	4.01	43	30580	26.824 ug/L	98
23) Bromochloromethane	4.27	128	10231	9.666 ug/L	98
25) Chloroform	4.40	83	37832	10.714 ug/L	98
27) 1,2-Dichloroethane	5.15	62	28697	9.179 ug/L	98
29) Cyclohexane	4.70	56	29653	12.982 ug/L	98
30) 1,1,1-Trichloroethane	4.63	97	31944	9.028 ug/L	98
31) Carbon tetrachloride	4.85	117	25269	8.111 ug/L	97
33) Benzene	5.12	78	78253	11.993 ug/L	100
34) Trichloroethene	5.94	95	21266	11.229 ug/L	97
35) Methylcyclohexane	6.15	83	30644	11.267 ug/L	98
37) 1,2-Dichloropropane	6.20	63	20479	13.477 ug/L	99
38) Bromodichloromethane	6.53	83	25499	10.259 ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	26160	10.595 ug/L	96
40) 4-Methyl-2-pentanone	7.25	43	53587	26.763 ug/L	99

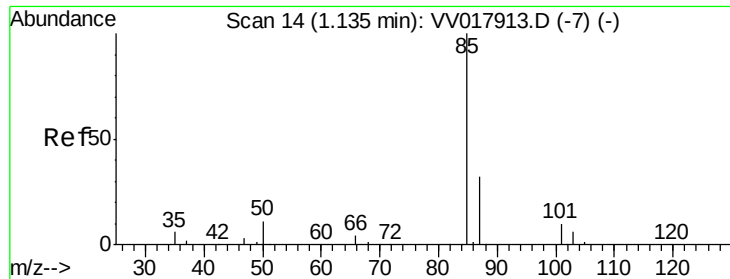
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081120\
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 QLast Update : Tue Aug 11 19:45:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	79605	10.743	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	25360	10.061	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	19746	11.188	ug/L	99
46) Tetrachloroethene	8.00	164	15421	9.104	ug/L	93
48) 2-Hexanone	8.16	43	45656	27.314	ug/L	98
49) Dibromochloromethane	8.27	129	17451	9.220	ug/L	99
50) 1,2-Dibromoethane	8.38	107	20102	10.527	ug/L	92
51) Chlorobenzene	8.90	112	51926	10.327	ug/L	99
52) Ethylbenzene	9.03	91	84571	10.100	ug/L	99
53) m,p-Xylene	9.16	106	30752	9.513	ug/L	96
54) o-xylene	9.56	106	29873	9.410	ug/L	97
55) Styrene	9.58	104	50172	9.163	ug/L	95
56) Isopropylbenzene	9.95	105	81207	9.351	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	29477	11.964	ug/L	97
59) 1,2,3-Trichloropropane	10.30	75	26006	11.791	ug/L	98
61) Bromoform	9.75	173	9949	8.913	ug/L #	98
62) 1,3-Dichlorobenzene	11.20	146	39160	10.158	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	40404	10.287	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	40228	10.157	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	5455	10.086	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	28837	9.339	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	24346	8.992	ug/L	97
69) Naphthalene	13.53	128	61232	8.561	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	25414	9.233	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 10.476 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017912.D

Acq: 11 Aug 2020 16:35

Instrument :

MSVOA_V

ClientSampleId :

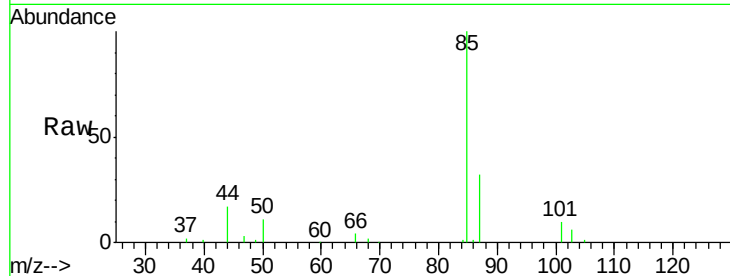
VSTD01064

Tgt Ion: 85 Resp: 22234

Ion Ratio Lower Upper

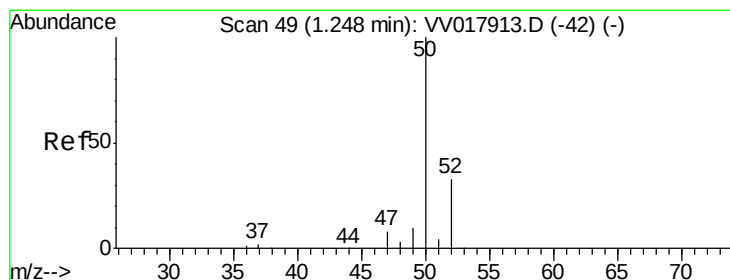
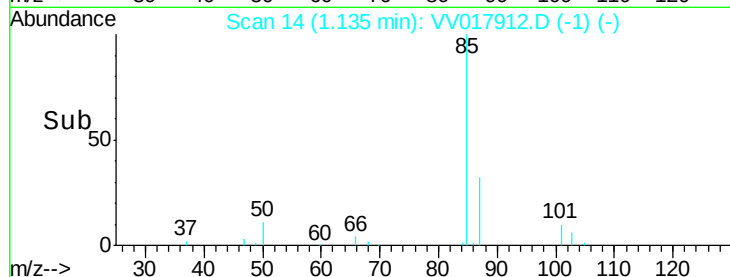
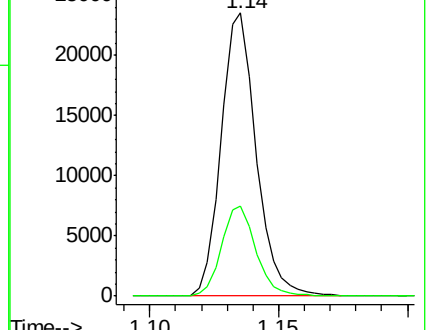
85 100

87 31.3 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV017913.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV017912.D (-1) (-)



#3

Chloromethane

Concen: 15.659 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV017912.D

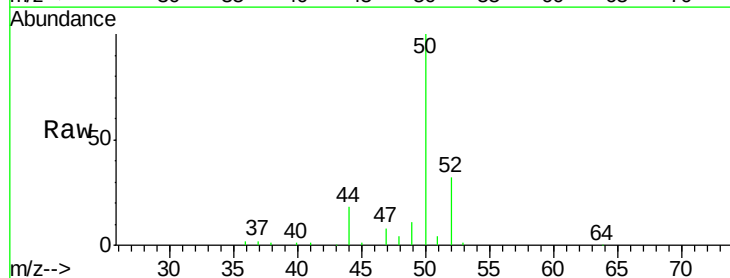
Acq: 11 Aug 2020 16:35

Tgt Ion: 50 Resp: 24652

Ion Ratio Lower Upper

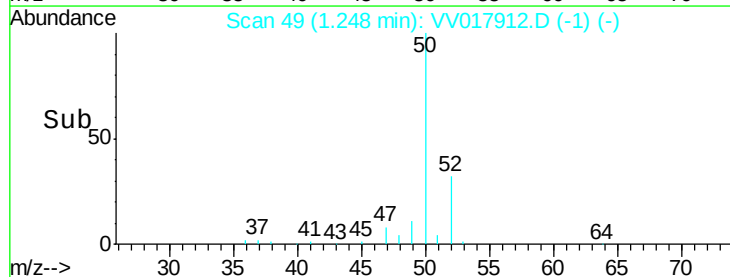
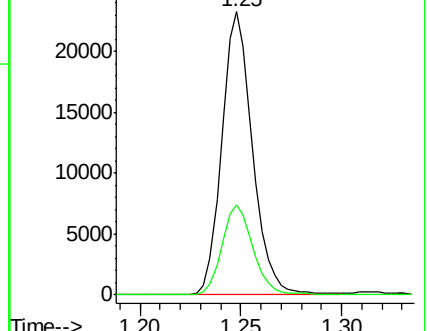
50 100

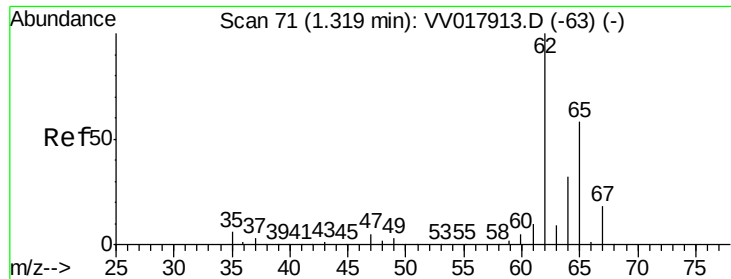
52 31.8 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV017913.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV017912.D (-1) (-)





#5

Vinyl chloride

Concen: 13.851 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV017912.D

Acq: 11 Aug 2020 16:35

Instrument :

MSVOA_V

ClientSampled :

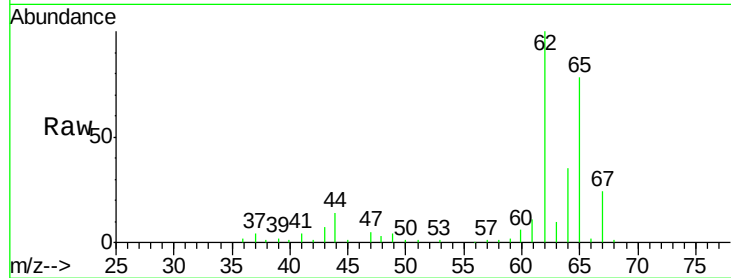
VSTD01064

Tgt Ion: 62 Resp: 24232

Ion Ratio Lower Upper

62 100

64 34.8 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

25000

20000

15000

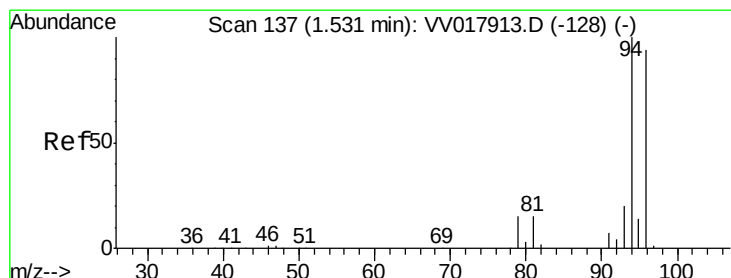
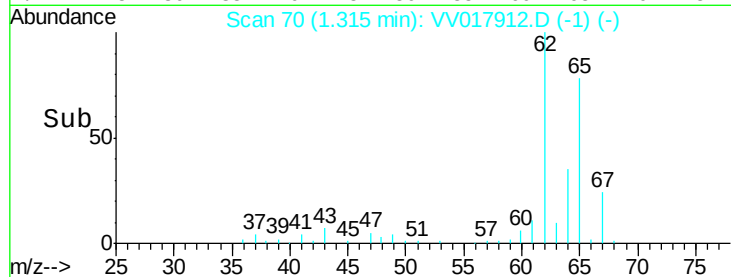
10000

5000

0

Time-->

1.30 1.35



#6

Bromomethane

Concen: 12.262 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV017912.D

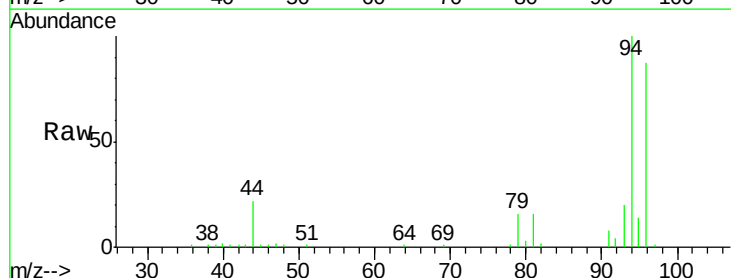
Acq: 11 Aug 2020 16:35

Tgt Ion: 94 Resp: 14121

Ion Ratio Lower Upper

94 100

96 87.1 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

15000

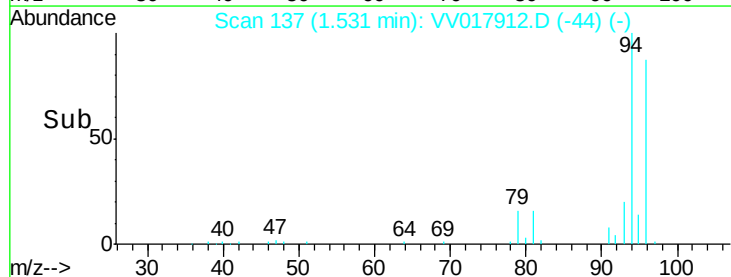
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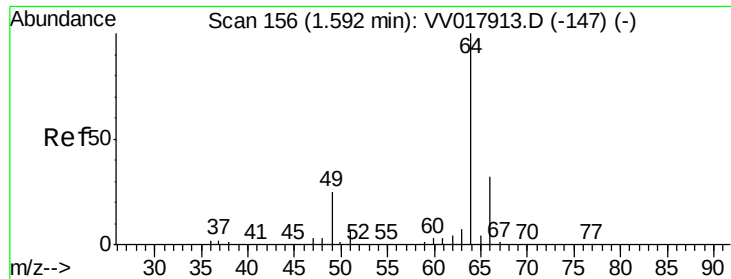
5000

0

Time-->

1.50 1.55





#8

Chloroethane

Concen: 13.732 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV017912.D

Acq: 11 Aug 2020 16:35

Instrument :

MSVOA_V

ClientSampleId :

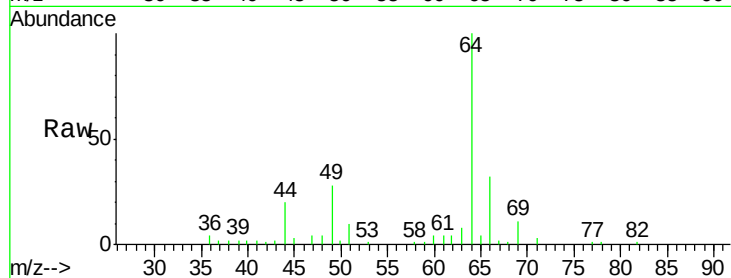
VSTD01064

Tgt Ion: 64 Resp: 15166

Ion Ratio Lower Upper

64 100

66 31.6 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV017913.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV017913.D (-147) (-)

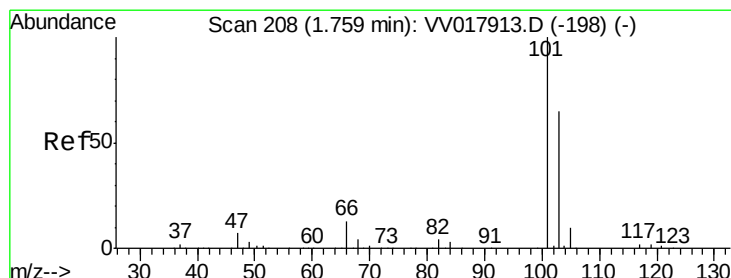
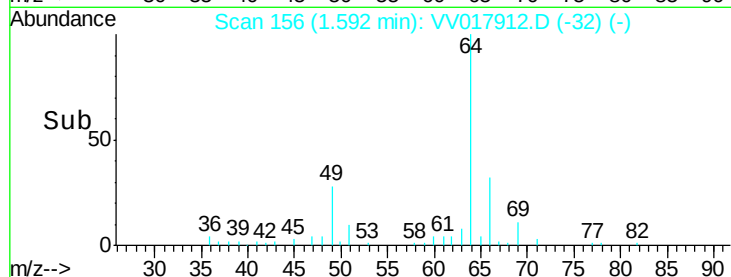
15000

10000

5000

0

Time-->



#9

Trichlorofluoromethane

Concen: 9.062 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV017912.D

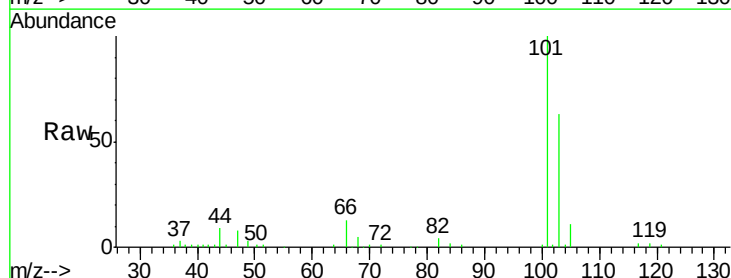
Acq: 11 Aug 2020 16:35

Tgt Ion: 101 Resp: 34516

Ion Ratio Lower Upper

101 100

103 63.1 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV017913.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV017913.D (-198) (-)

30000

25000

20000

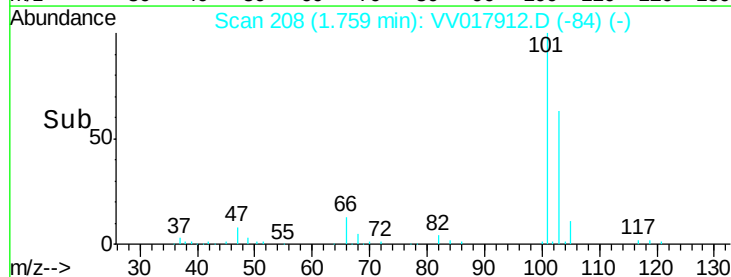
15000

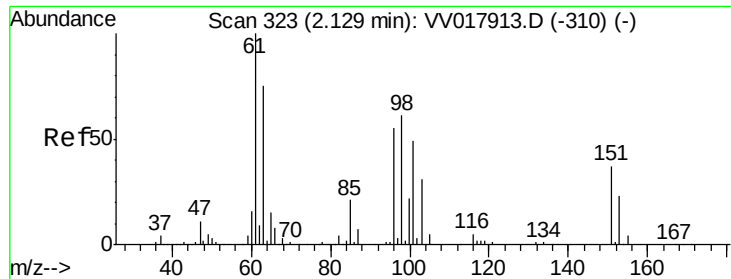
10000

5000

0

Time-->





#10

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

Concen: 11.048 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV017912.D

Acq: 11 Aug 2020 16:35

Instrument :

MSVOA_V

ClientSampled :

VSTD01064

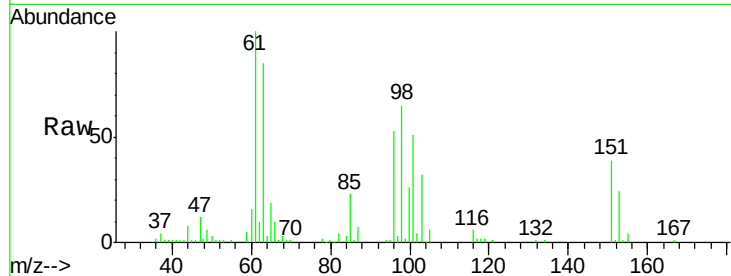
Tgt Ion: 101 Resp: 19492

Ion Ratio Lower Upper

101 100

85 43.7 34.9 52.3

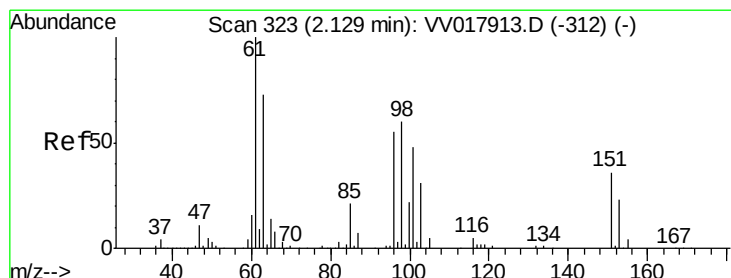
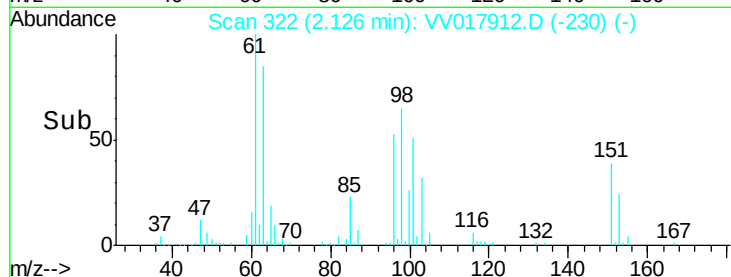
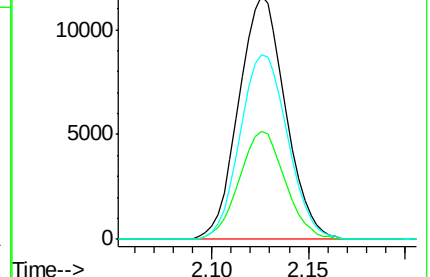
151 77.4 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 10.943 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017912.D

Acq: 11 Aug 2020 16:35

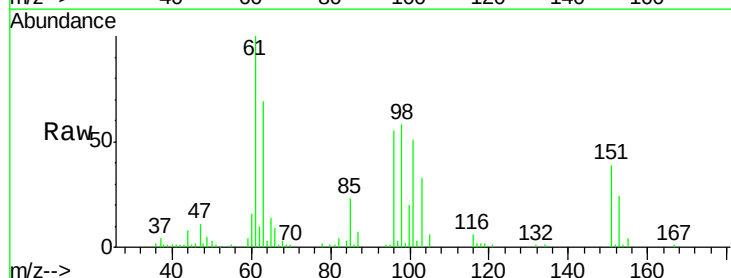
Tgt Ion: 96 Resp: 18043

Ion Ratio Lower Upper

96 100

61 180.6 127.1 236.0

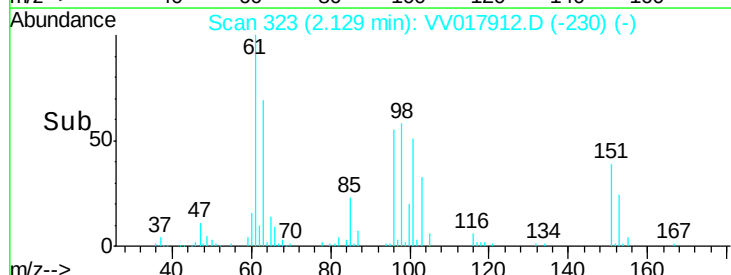
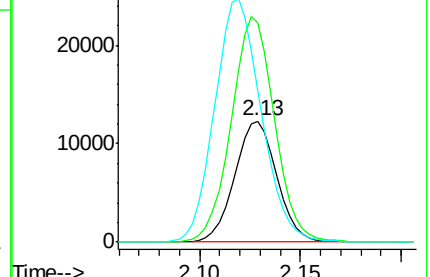
63 125.5 95.2 176.8

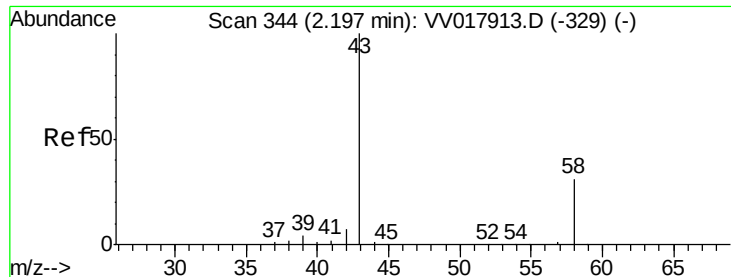


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 25.709 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.01 min

Lab File: VV017912.D

Acq: 11 Aug 2020 16:35

Instrument :

MSVOA_V

ClientSampleId :

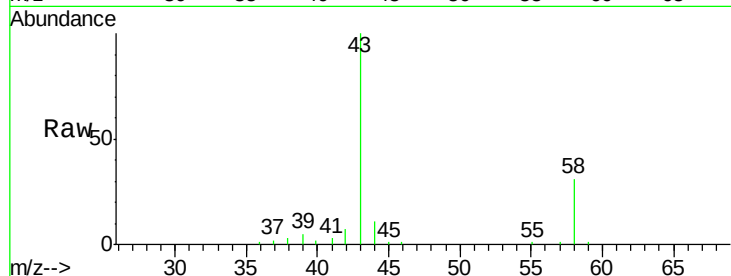
VSTD01064

Tgt Ion: 43 Resp: 31529

Ion Ratio Lower Upper

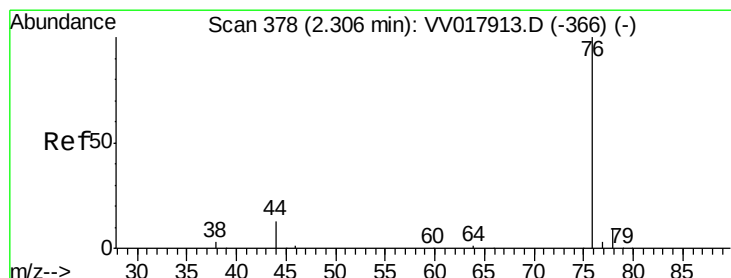
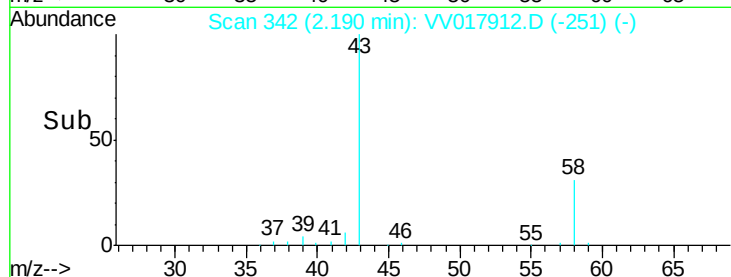
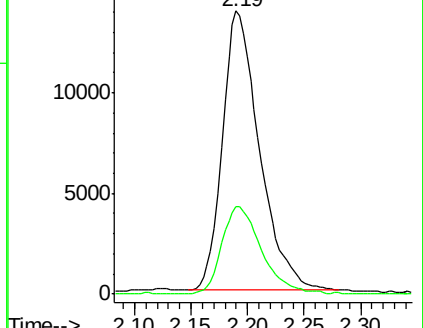
43 100

58 33.6 0.0 63.6



Abundance Ion 43.00 (42.70 to 43.70): VV017912.D (-251) (-)

Ion 58.00 (57.70 to 58.70): VV017912.D (-251) (-)



#14

Carbon disulfide

Concen: 12.176 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV017912.D

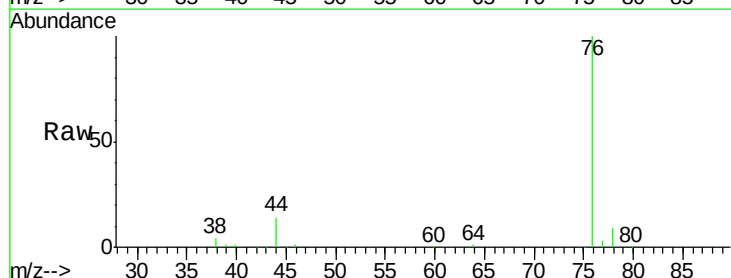
Acq: 11 Aug 2020 16:35

Tgt Ion: 76 Resp: 47802

Ion Ratio Lower Upper

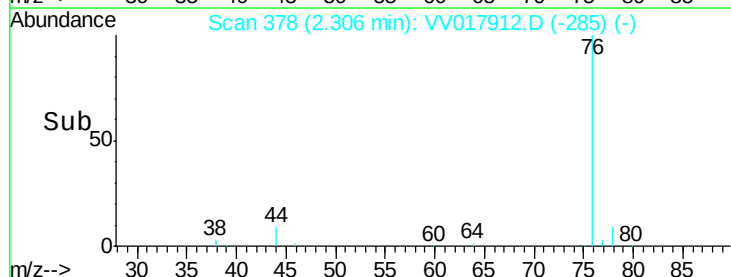
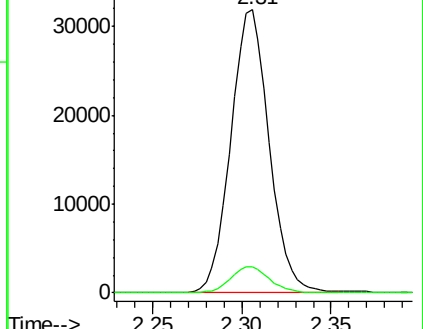
76 100

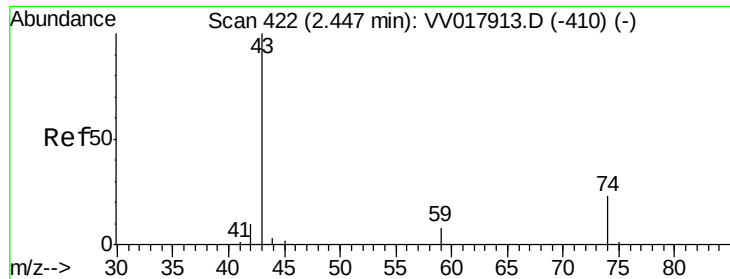
78 9.2 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV017912.D (-285) (-)

Ion 78.00 (77.70 to 78.70): VV017912.D (-285) (-)

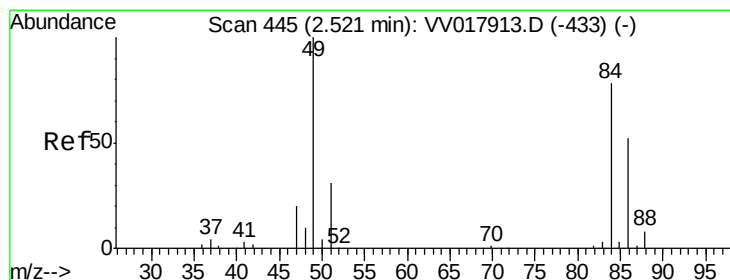
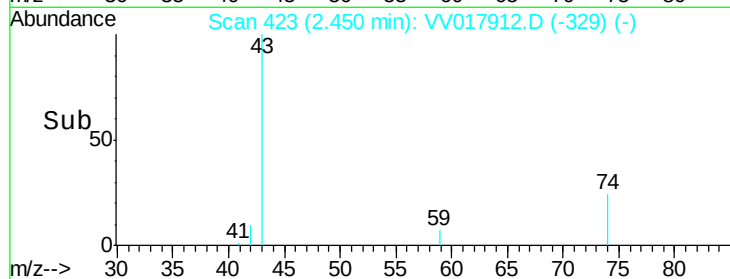
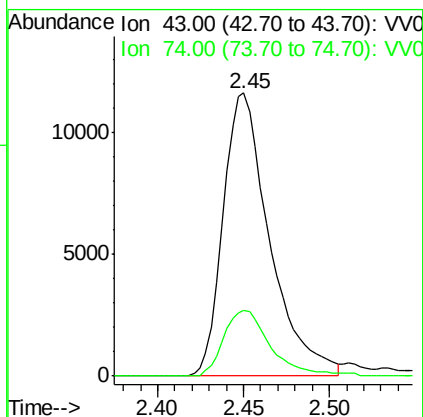
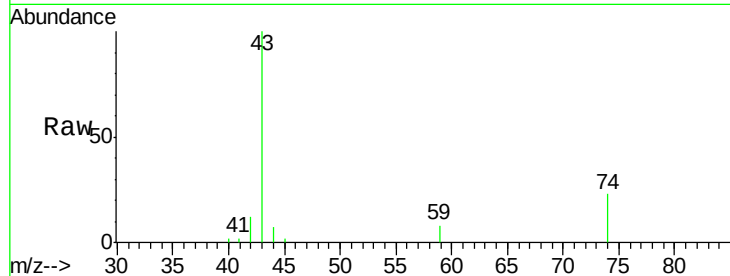




#15
Methyl Acetate
Concen: 14.968 ug/L
RT: 2.45 min Scan# 423
Delta R.T. 0.00 min
Lab File: VV017912.D
Acq: 11 Aug 2020 16:35

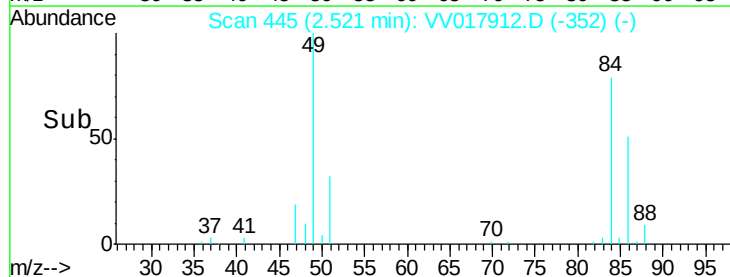
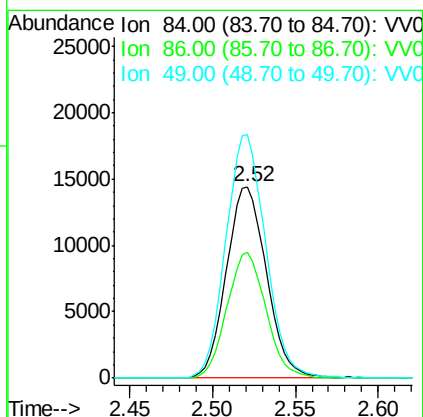
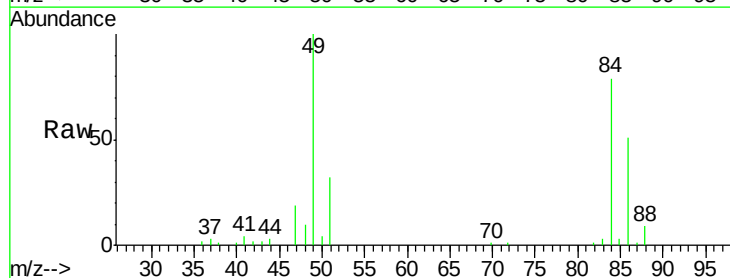
Instrument :
MSVOA_V
ClientSampleId :
VSTD01064

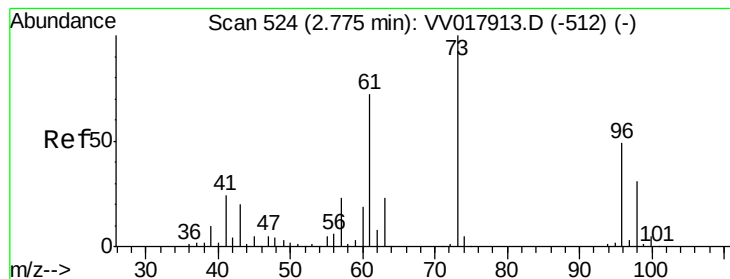
Tgt Ion: 43 Resp: 21974
Ion Ratio Lower Upper
43 100
74 23.3 18.4 27.6



#16
Methylene chloride
Concen: 13.566 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV017912.D
Acq: 11 Aug 2020 16:35

Tgt Ion: 84 Resp: 24327
Ion Ratio Lower Upper
84 100
86 65.4 46.3 85.9
49 127.1 89.7 166.5





#17

trans-1,2-Dichloroethene

Concen: 10.765 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV017912.D

Acq: 11 Aug 2020 16:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD01064

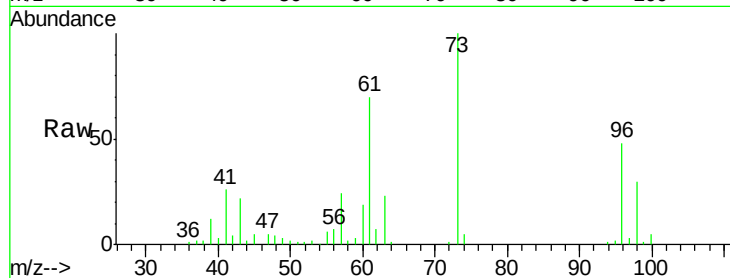
Tgt Ion: 96 Resp: 18174

Ion Ratio Lower Upper

96 100

61 145.8 102.4 190.2

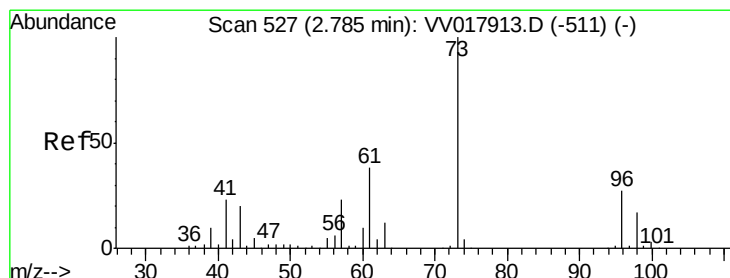
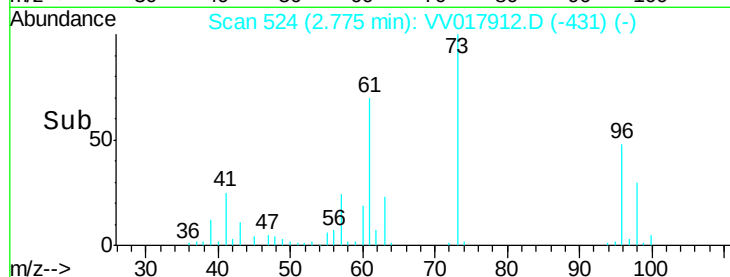
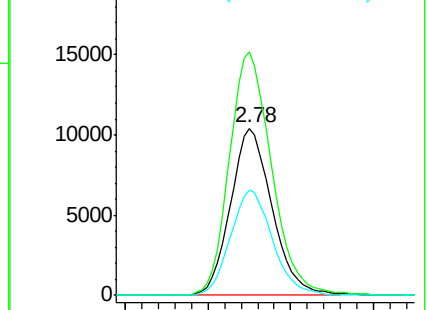
98 62.9 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 10.121 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV017912.D

Acq: 11 Aug 2020 16:35

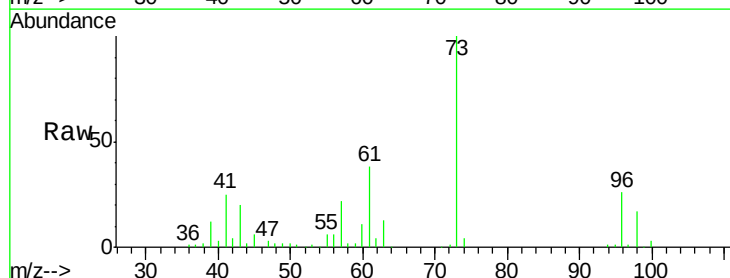
Tgt Ion: 73 Resp: 58117

Ion Ratio Lower Upper

73 100

43 20.9 15.9 23.9

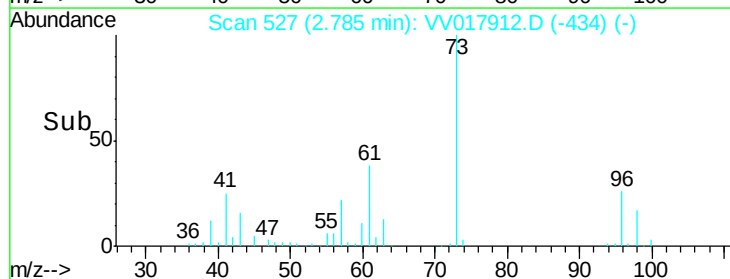
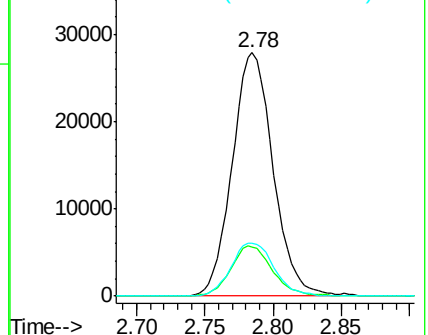
57 22.8 18.1 27.1

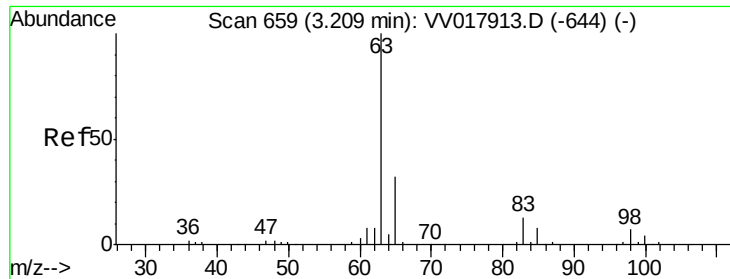


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

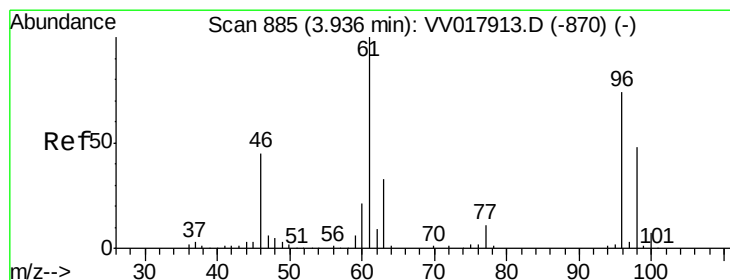
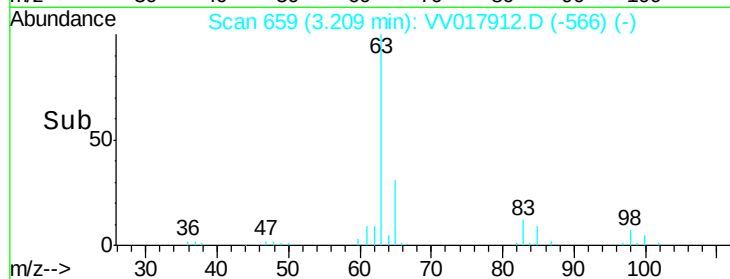
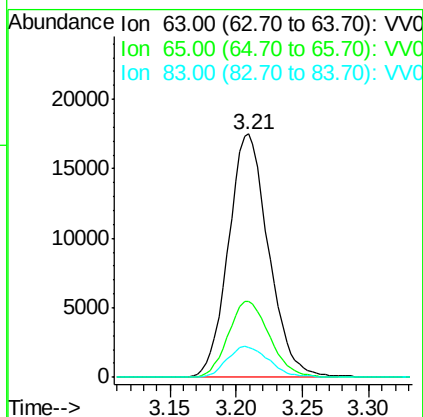
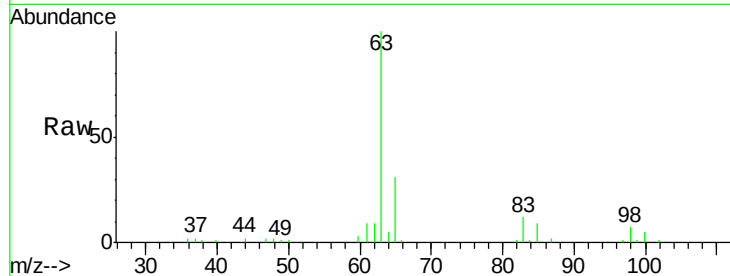




#19
 1,1-Dichloroethane
 Concen: 12.736 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV017912.D
 Acq: 11 Aug 2020 16:35

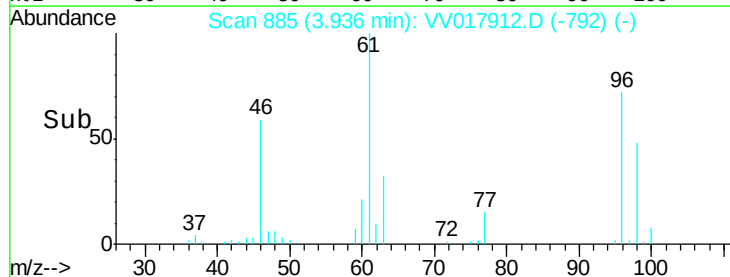
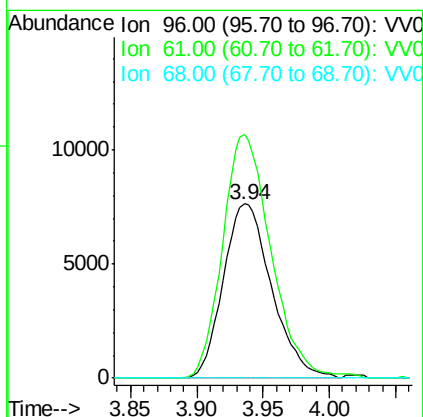
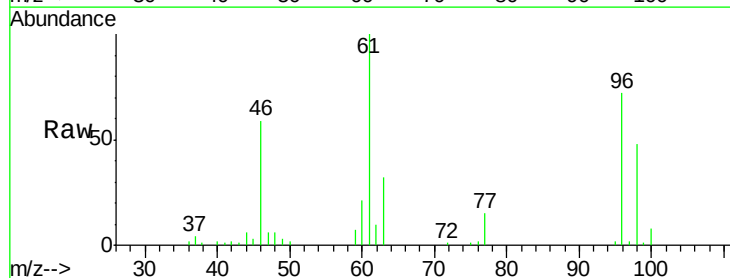
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

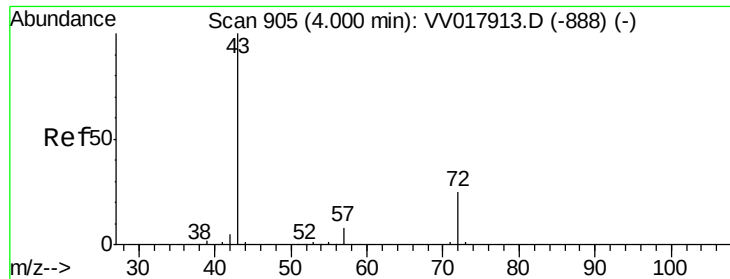
Tgt Ion: 63 Resp: 36912
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.5 41.7
 83 12.2 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 10.615 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV017912.D
 Acq: 11 Aug 2020 16:35

Tgt Ion: 96 Resp: 19330
 Ion Ratio Lower Upper
 96 100
 61 139.8 95.0 176.4
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 26.824 ug/L

RT: 4.01 min Scan# 907

Delta R.T. 0.01 min

Lab File: VV017912.D

Acq: 11 Aug 2020 16:35

Instrument :

MSVOA_V

ClientSampleId :

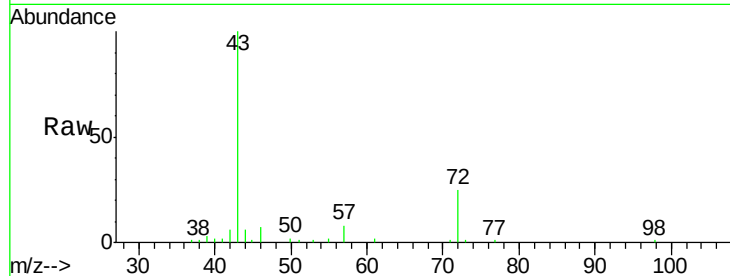
VSTD01064

Tgt Ion: 43 Resp: 30580

Ion Ratio Lower Upper

43 100

72 24.4 12.7 38.0



Abundance Ion 43.00 (42.70 to 43.70): VV017912.D (-812) (-)

Ion 72.00 (71.70 to 72.70): VV017912.D (-812) (-)

4.01

10000

8000

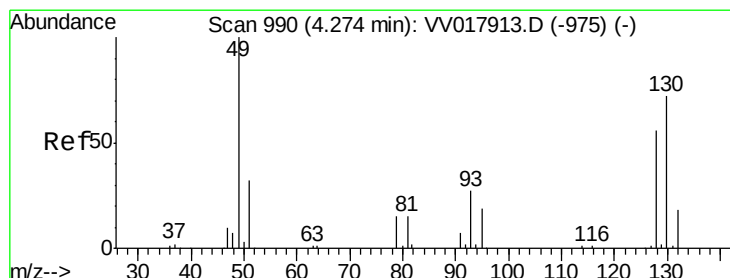
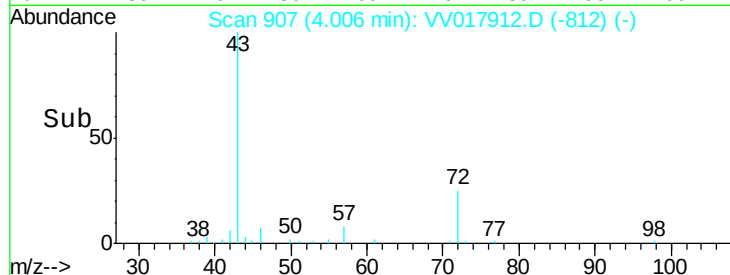
6000

4000

2000

0

Time-->



#23

Bromochloromethane

Concen: 9.666 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV017912.D

Acq: 11 Aug 2020 16:35

Tgt Ion: 128 Resp: 10231

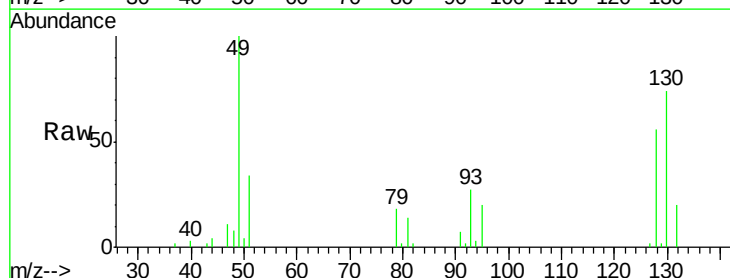
Ion Ratio Lower Upper

128 100

49 177.6 125.6 233.3

130 131.0 89.9 167.0

51 59.6 45.8 68.6



Abundance Ion 128.00 (127.70 to 128.70): VV017912.D (-897) (-)

Ion 49.00 (48.70 to 49.70): VV017912.D (-897) (-)

Ion 130.00 (129.70 to 130.70): VV017912.D (-897) (-)

Ion 51.00 (50.70 to 51.70): VV017912.D (-897) (-)

4.27

10000

8000

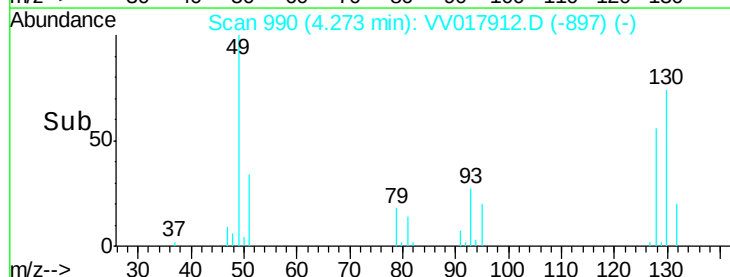
6000

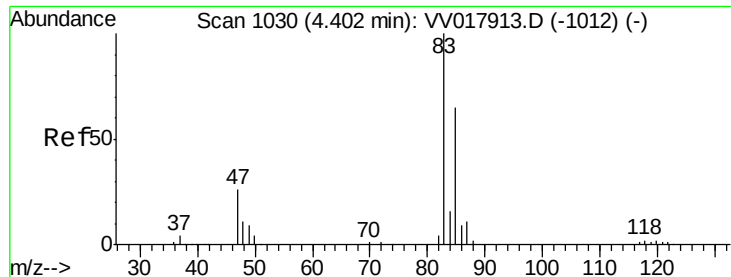
4000

2000

0

Time-->

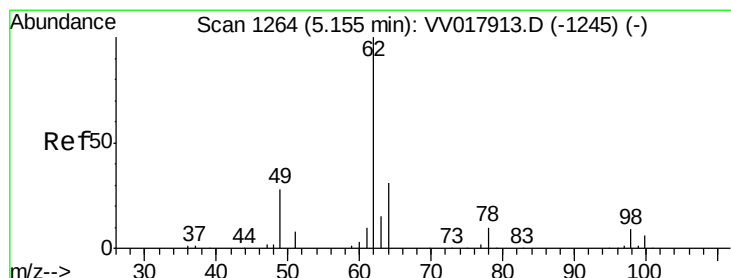
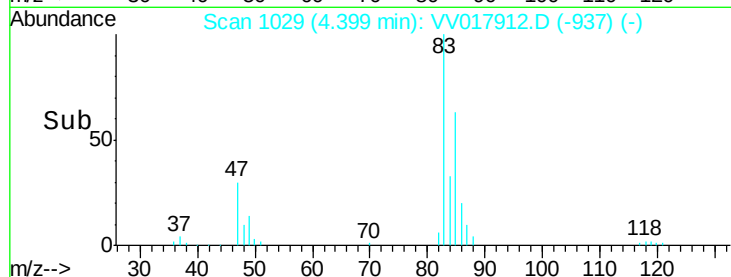
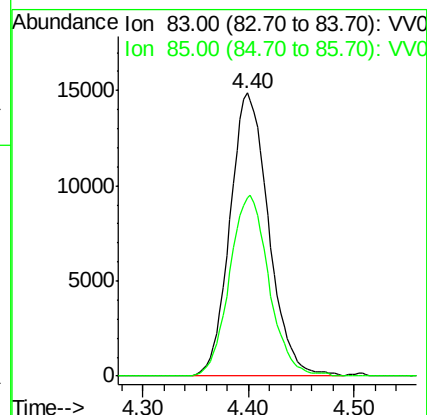
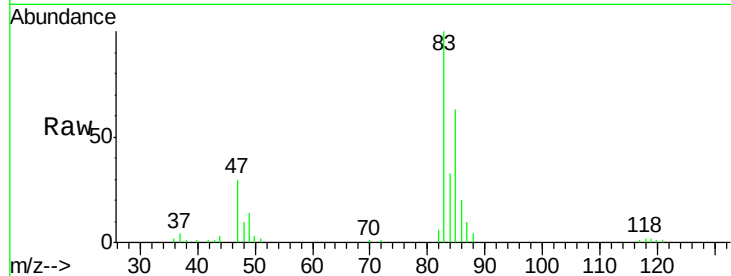




#25
Chloroform
Concen: 10.714 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV017912.D
Acq: 11 Aug 2020 16:35

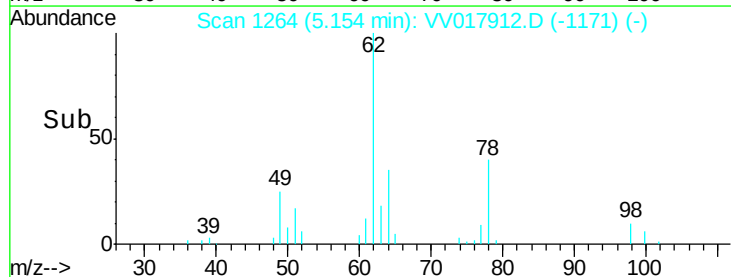
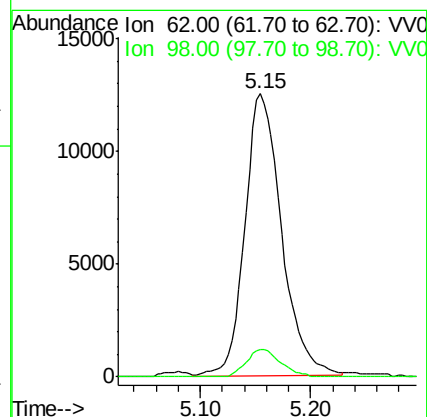
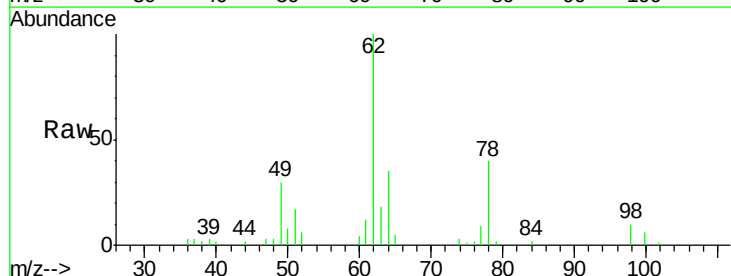
Instrument :
MSVOA_V
ClientSampleId :
VSTD01064

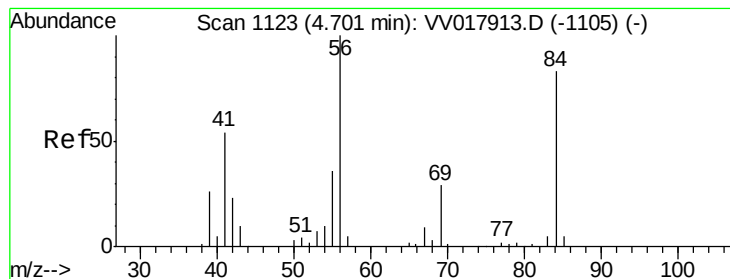
Tgt Ion: 83 Resp: 37832
Ion Ratio Lower Upper
83 100
85 63.2 45.5 84.5



#27
1,2-Dichloroethane
Concen: 9.179 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV017912.D
Acq: 11 Aug 2020 16:35

Tgt Ion: 62 Resp: 28697
Ion Ratio Lower Upper
62 100
98 9.6 7.1 10.7





#29

Cyclohexane

Concen: 12.982 ug/L

RT: 4.70 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VV017912.D

Acq: 11 Aug 2020 16:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD01064

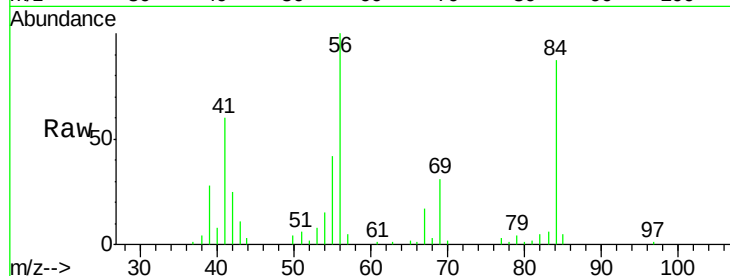
Tgt Ion: 56 Resp: 29653

Ion Ratio Lower Upper

56 100

69 31.2 23.8 35.8

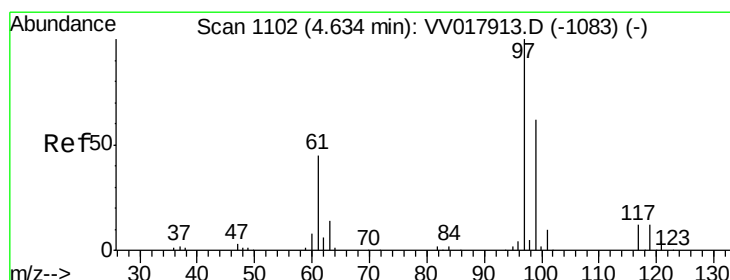
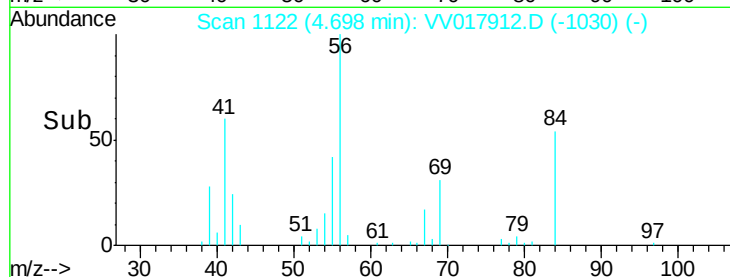
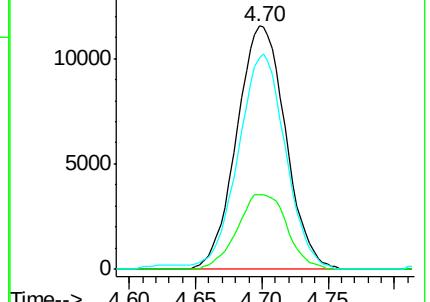
84 85.4 66.8 100.2



Abundance Ion 56.00 (55.70 to 56.70): VV017913.D (-1105) (-)

Ion 69.00 (68.70 to 69.70): VV017913.D (-1105) (-)

Ion 84.00 (83.70 to 84.70): VV017913.D (-1105) (-)



#30

1,1,1-Trichloroethane

Concen: 9.028 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VV017912.D

Acq: 11 Aug 2020 16:35

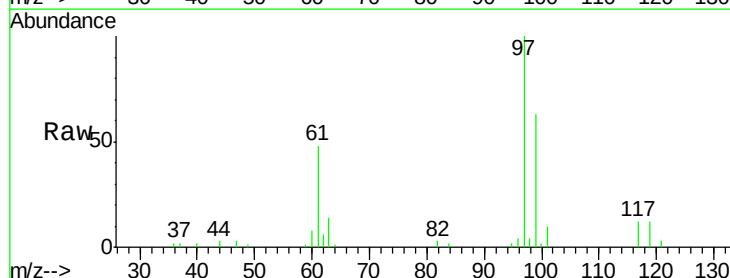
Tgt Ion: 97 Resp: 31944

Ion Ratio Lower Upper

97 100

99 61.2 50.6 76.0

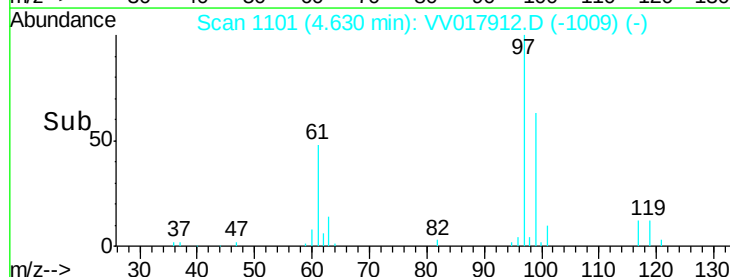
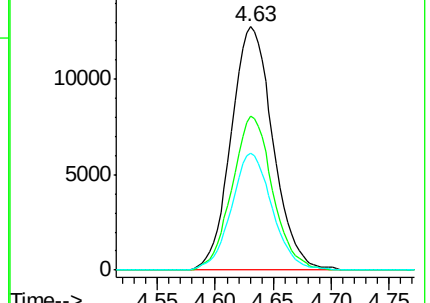
61 46.7 37.0 55.6

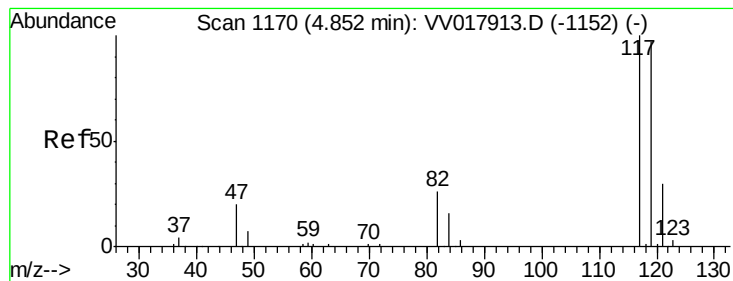


Abundance Ion 97.00 (96.70 to 97.70): VV017913.D (-1083) (-)

Ion 99.00 (98.70 to 99.70): VV017913.D (-1083) (-)

Ion 61.05 (60.75 to 61.75): VV017913.D (-1083) (-)





#31

Carbon tetrachloride

Concen: 8.111 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. -0.00 min

Lab File: VV017912.D

Acq: 11 Aug 2020 16:35

Instrument :

MSVOA_V

ClientSampleId :

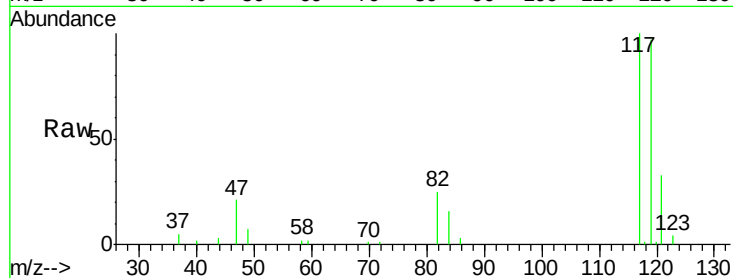
VSTD01064

Tgt Ion:117 Resp: 25269

Ion Ratio Lower Upper

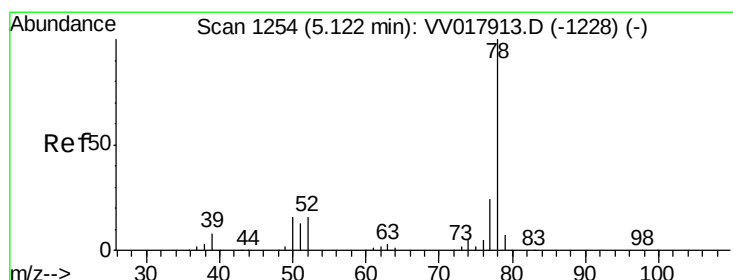
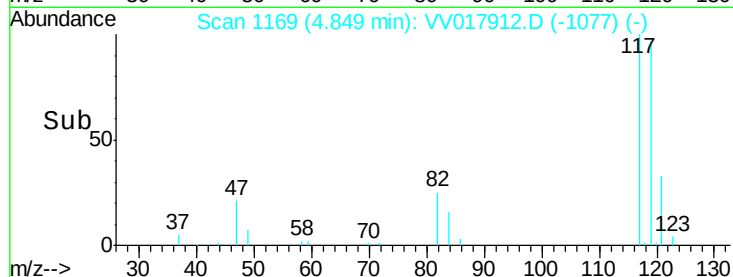
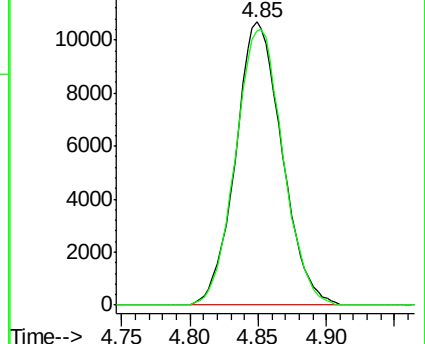
117 100

119 99.0 77.0 115.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 11.993 ug/L

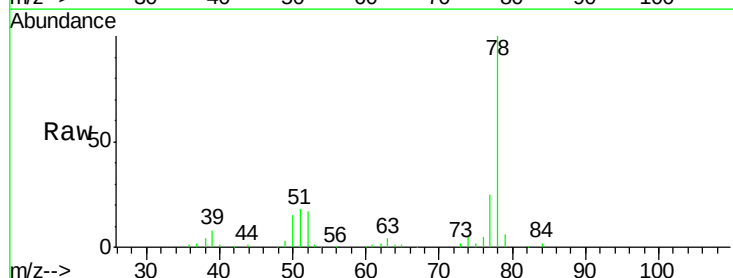
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

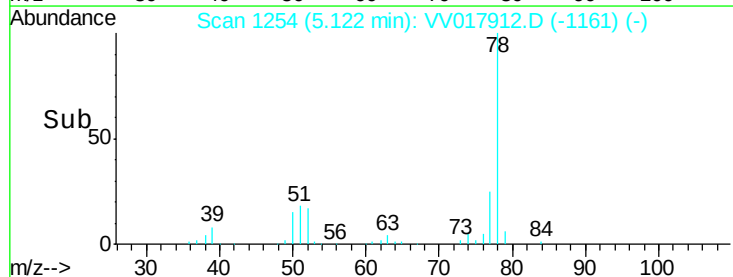
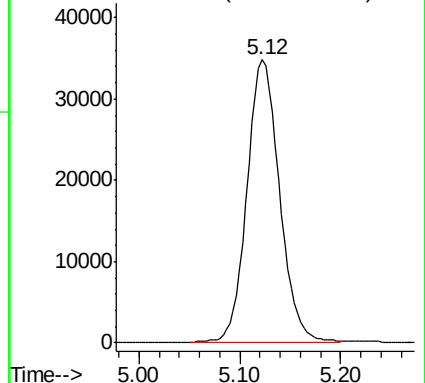
Lab File: VV017912.D

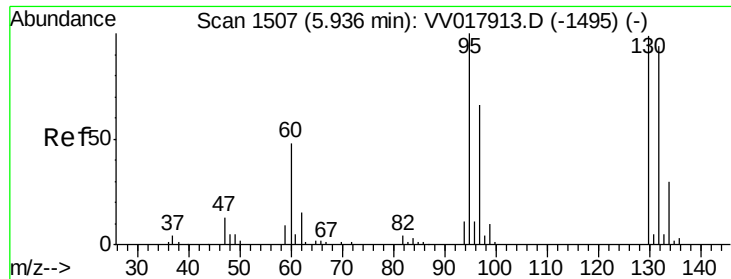
Acq: 11 Aug 2020 16:35

Tgt Ion: 78 Resp: 78253



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 11.229 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV017912.D

Acq: 11 Aug 2020 16:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD01064

Tgt Ion: 95 Resp: 21266

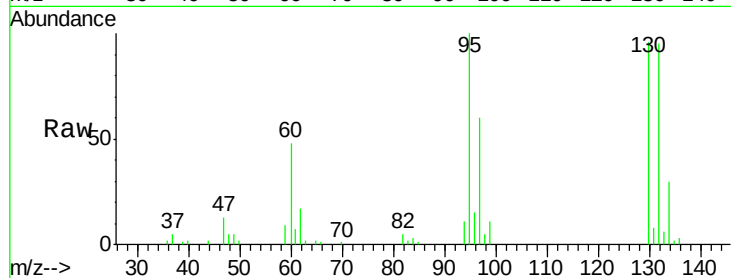
Ion Ratio Lower Upper

95 100

97 60.3 46.0 85.4

132 94.6 65.8 122.2

130 95.5 69.2 128.6

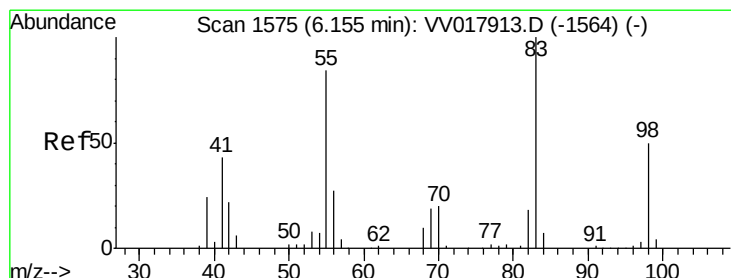
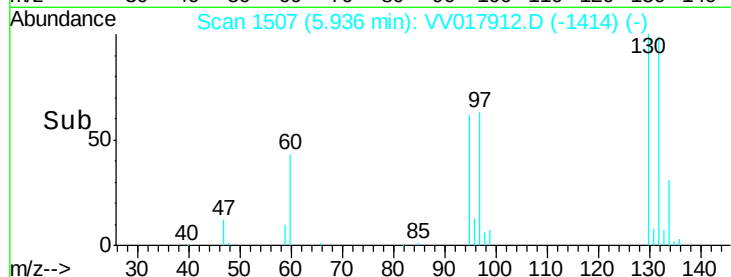
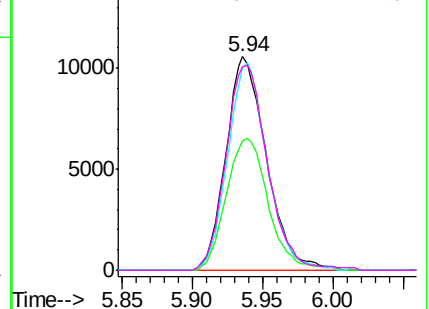


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 11.267 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VV017912.D

Acq: 11 Aug 2020 16:35

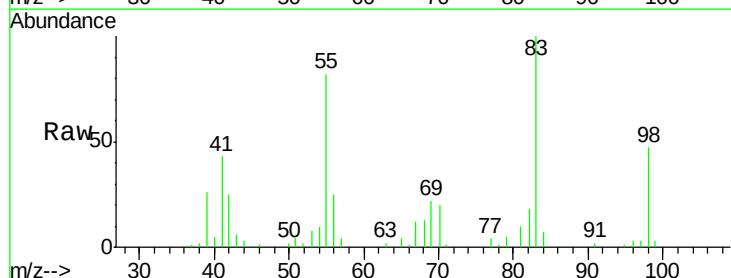
Tgt Ion: 83 Resp: 30644

Ion Ratio Lower Upper

83 100

55 83.2 64.9 97.3

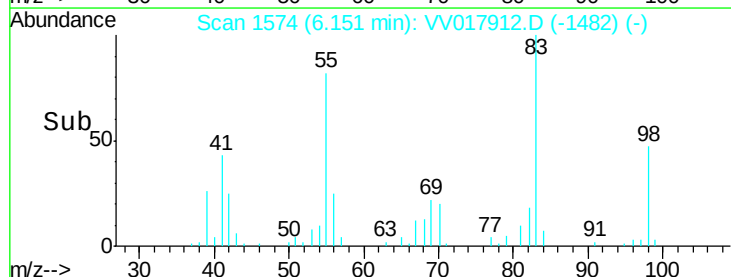
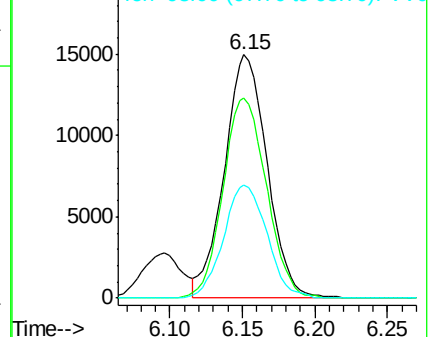
98 47.1 38.7 58.1

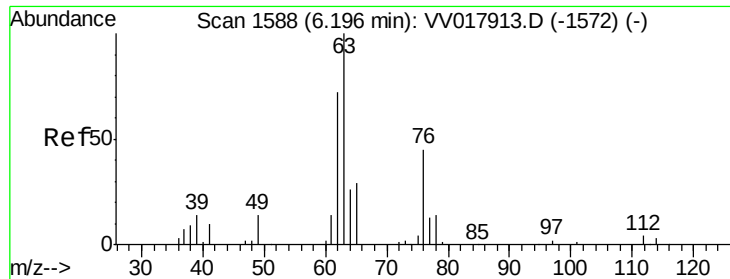


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

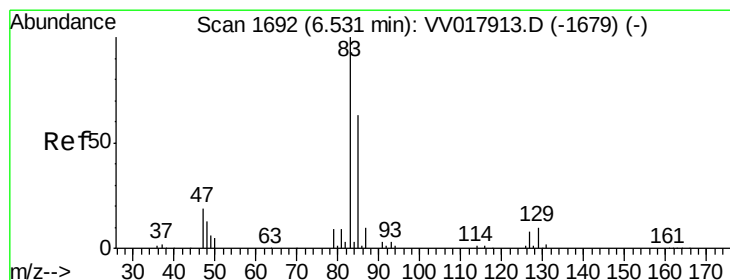
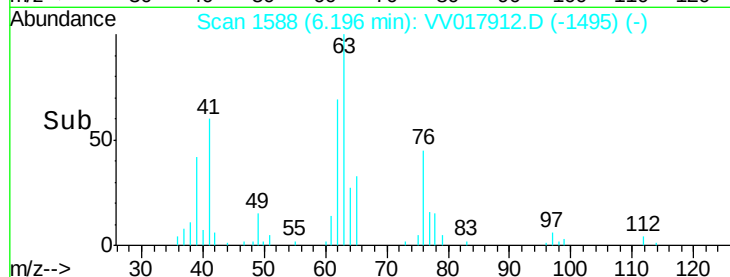
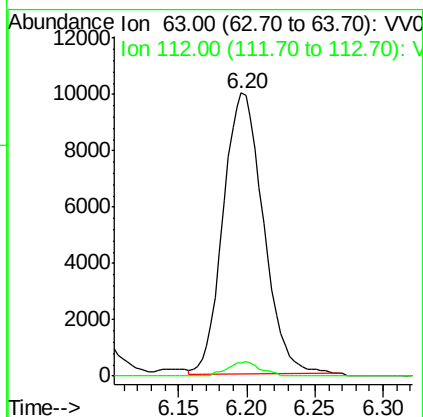
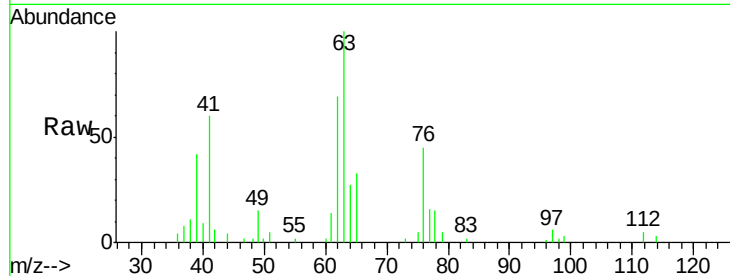




#37
 1,2-Dichloropropane
 Concen: 13.477 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV017912.D
 Acq: 11 Aug 2020 16:35

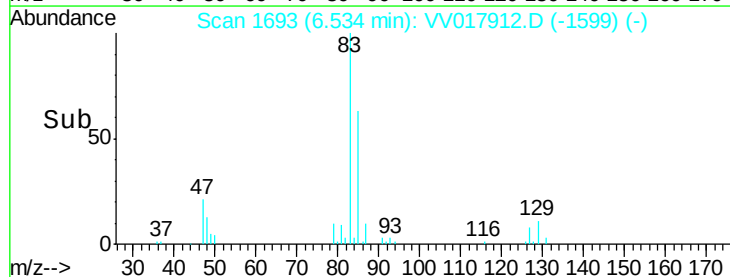
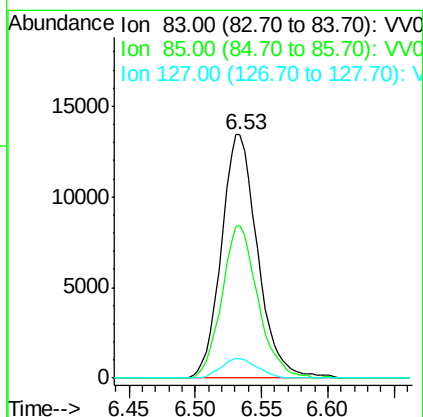
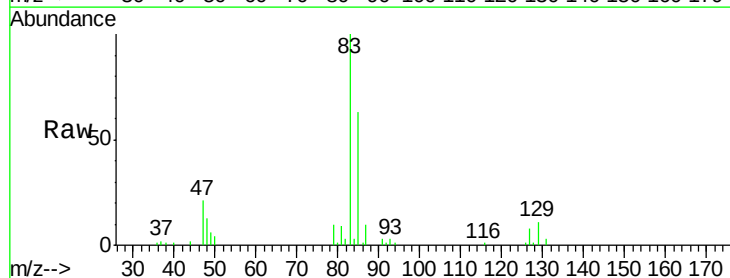
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

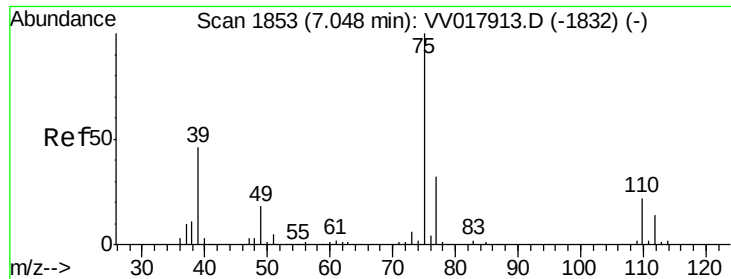
Tgt Ion: 63 Resp: 20479
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.5 5.3



#38
 Bromodichloromethane
 Concen: 10.259 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV017912.D
 Acq: 11 Aug 2020 16:35

Tgt Ion: 83 Resp: 25499
 Ion Ratio Lower Upper
 83 100
 85 62.9 44.3 82.3
 127 7.8 6.5 9.7

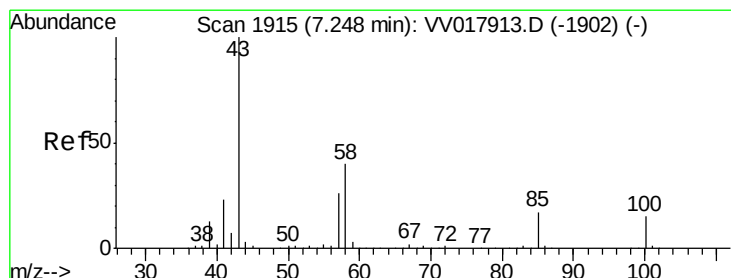
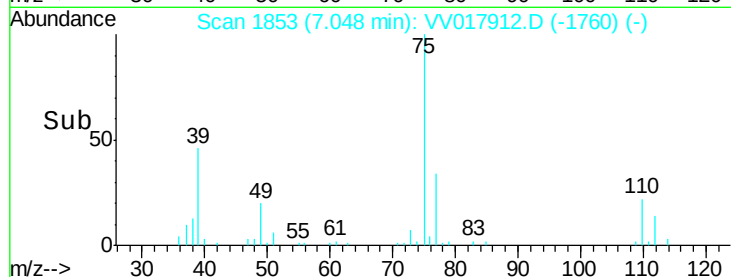
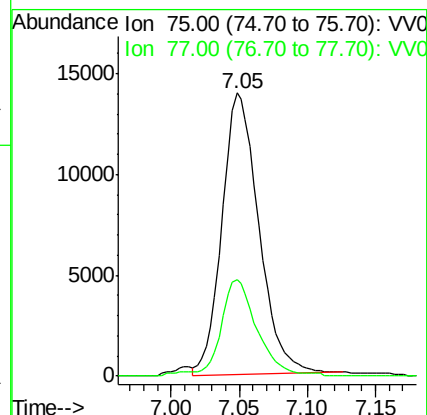
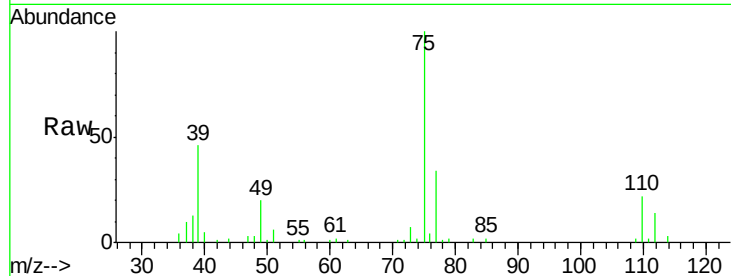




#39
 cis-1,3-Dichloropropene
 Concen: 10.595 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV017912.D
 Acq: 11 Aug 2020 16:35

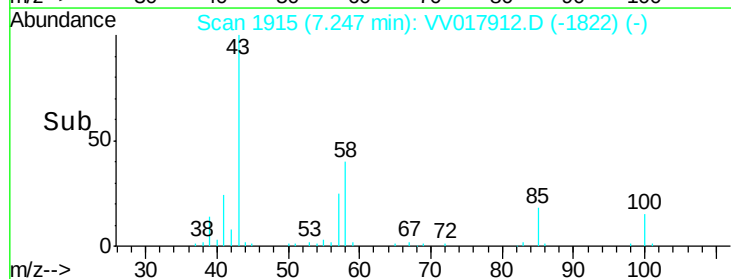
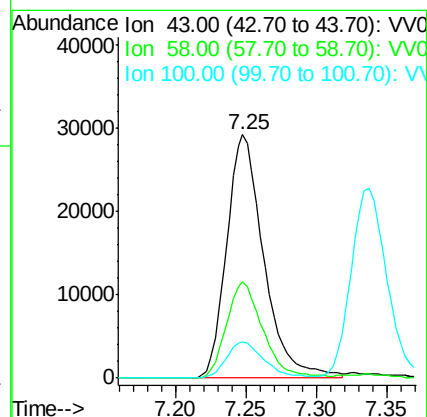
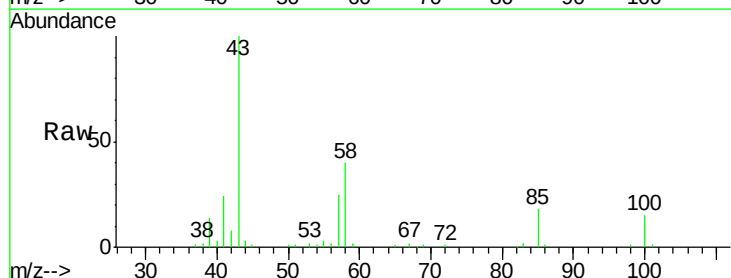
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

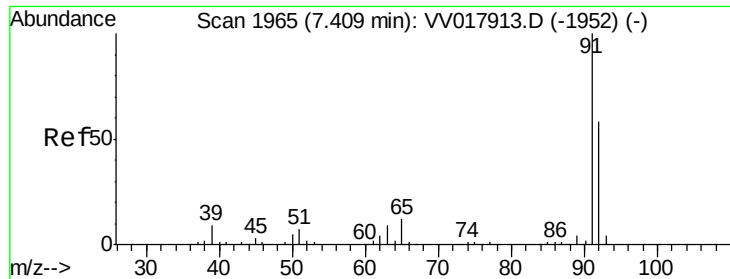
Tgt Ion: 75 Resp: 26160
 Ion Ratio Lower Upper
 75 100
 77 33.9 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 26.763 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VV017912.D
 Acq: 11 Aug 2020 16:35

Tgt Ion: 43 Resp: 53587
 Ion Ratio Lower Upper
 43 100
 58 38.8 31.9 47.9
 100 15.2 12.2 18.2





#42

Toluene

Concen: 10.743 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV017912.D

Acq: 11 Aug 2020 16:35

Instrument :

MSVOA_V

ClientSampleId :

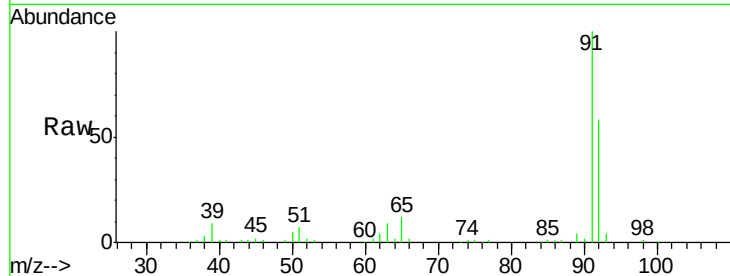
VSTD01064

Tgt Ion: 91 Resp: 79605

Ion Ratio Lower Upper

91 100

92 58.3 40.6 75.4



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

50000

40000

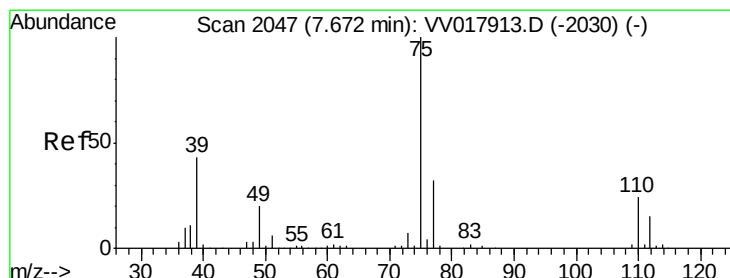
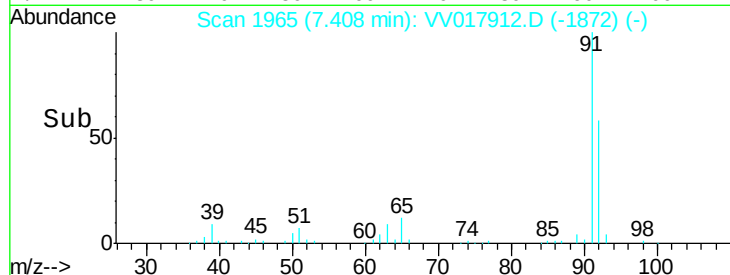
30000

20000

10000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 10.061 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV017912.D

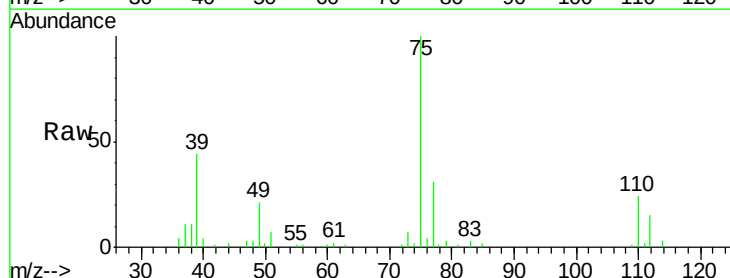
Acq: 11 Aug 2020 16:35

Tgt Ion: 75 Resp: 25360

Ion Ratio Lower Upper

75 100

77 31.5 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.67

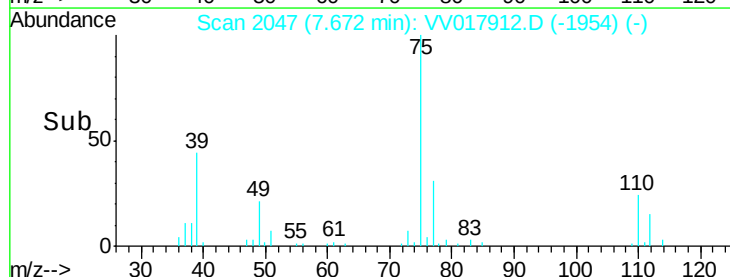
15000

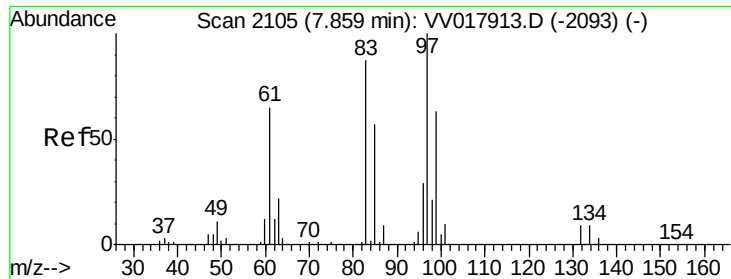
10000

5000

0

Time-->

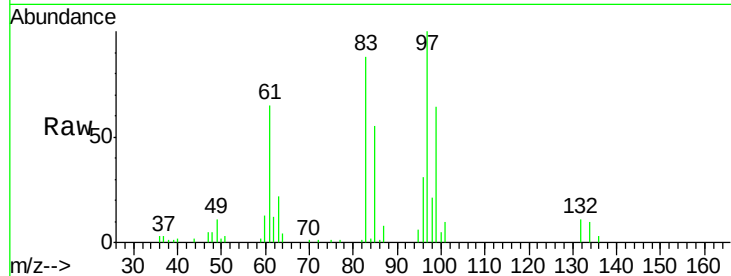




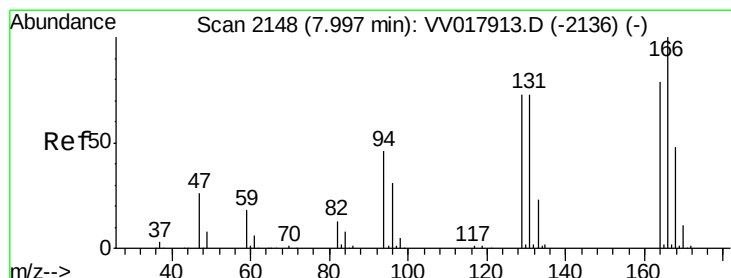
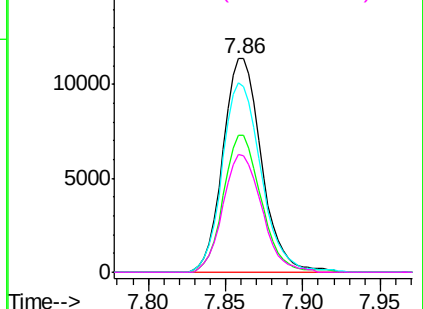
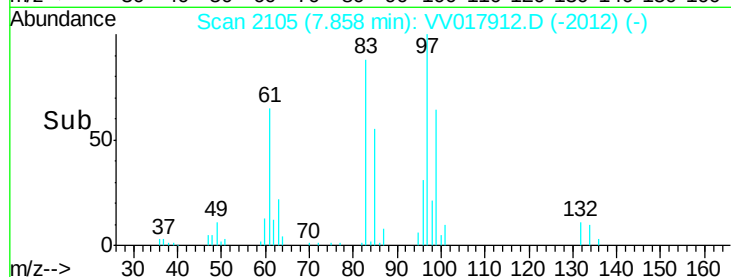
#45
 1,1,2-Trichloroethane
 Concen: 11.188 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV017912.D
 Acq: 11 Aug 2020 16:35

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

Tgt Ion:	97	Resp:	19746
Ion	Ratio	Lower	Upper
97	100		
99	64.0	44.2	82.2
83	88.4	61.0	113.4
85	55.1	39.5	73.4

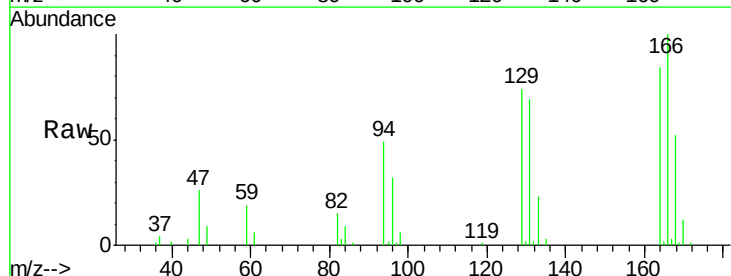


Abundance Ion 97.00 (96.70 to 97.70): VV017912.D (-2012) (-)

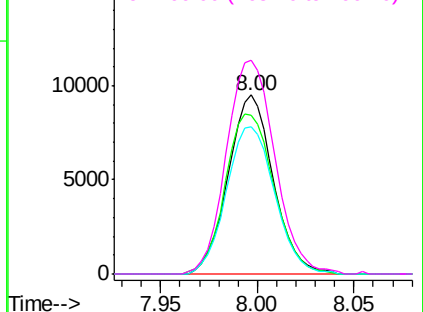
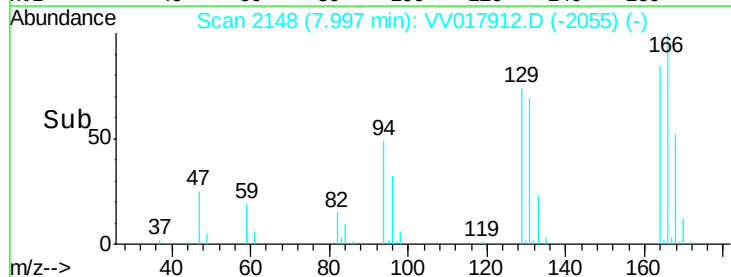


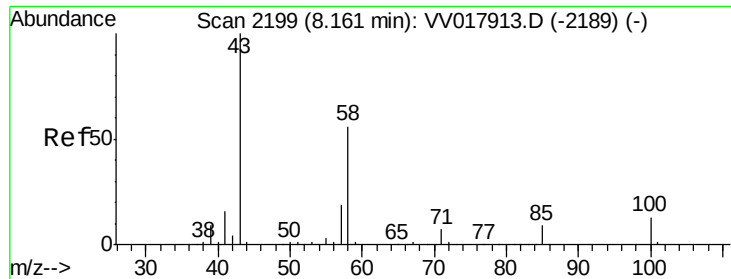
#46
 Tetrachloroethene
 Concen: 9.104 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV017912.D
 Acq: 11 Aug 2020 16:35

Tgt Ion:	164	Resp:	15421
Ion	Ratio	Lower	Upper
164	100		
129	88.9	64.8	120.3
131	82.7	64.5	119.9
166	119.4	88.9	165.1



Abundance Ion 164.00 (163.70 to 164.70): VV017912.D (-2055) (-)

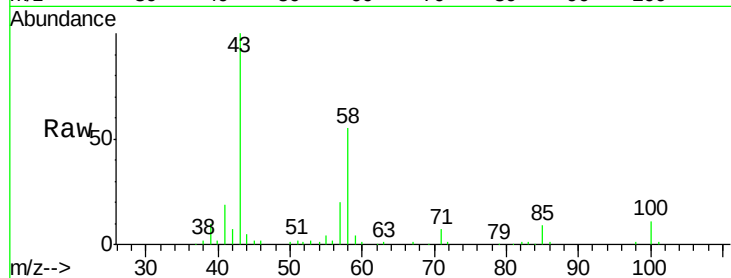




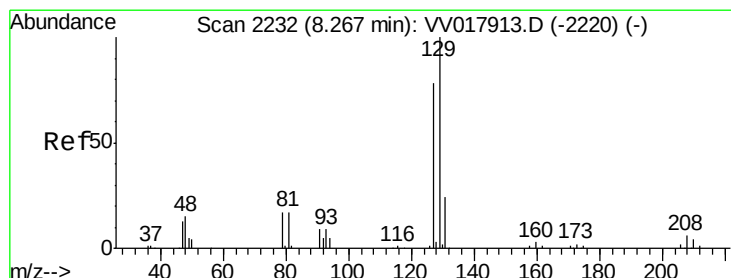
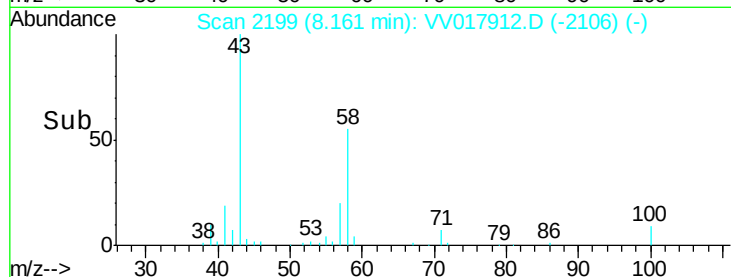
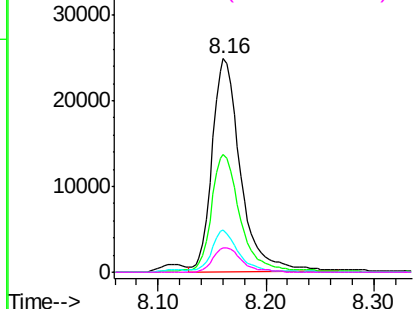
#48
2-Hexanone
Concen: 27.314 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. -0.00 min
Lab File: VV017912.D
Acq: 11 Aug 2020 16:35

Instrument :
MSVOA_V
ClientSampleId :
VSTD01064

Tgt Ion: 43 Resp: 45656
Ion Ratio Lower Upper
43 100
58 56.1 44.4 66.6
57 17.4 15.2 22.8
100 11.5 9.8 14.6

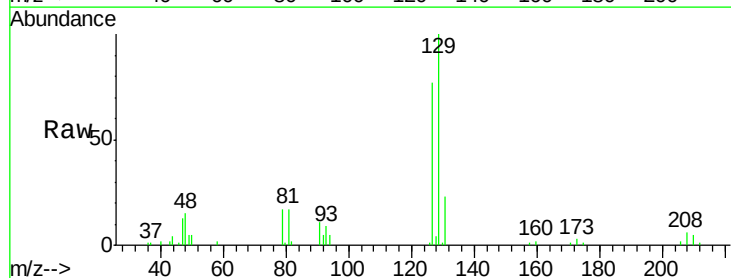


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

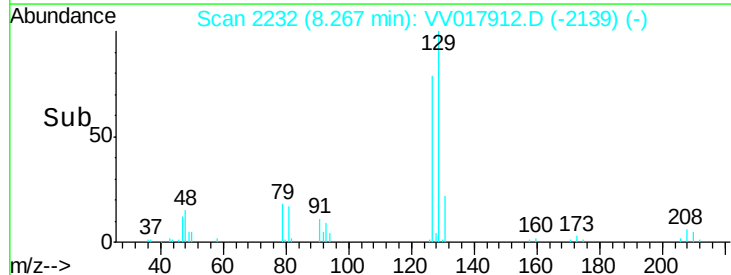
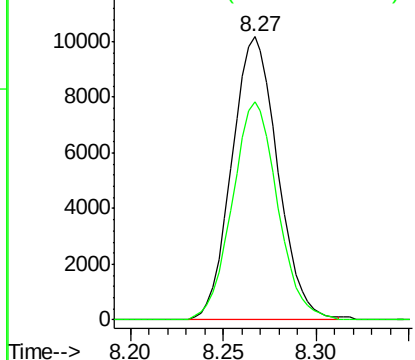


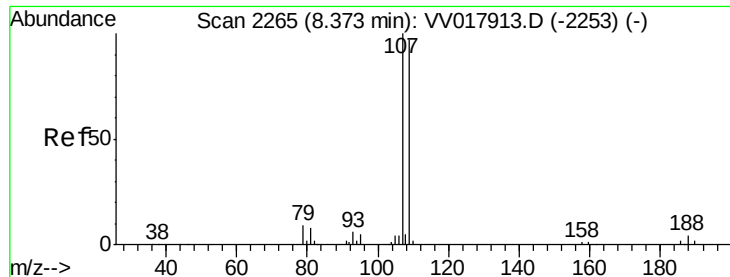
#49
Dibromochloromethane
Concen: 9.220 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV017912.D
Acq: 11 Aug 2020 16:35

Tgt Ion: 129 Resp: 17451
Ion Ratio Lower Upper
129 100
127 77.2 54.9 101.9



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

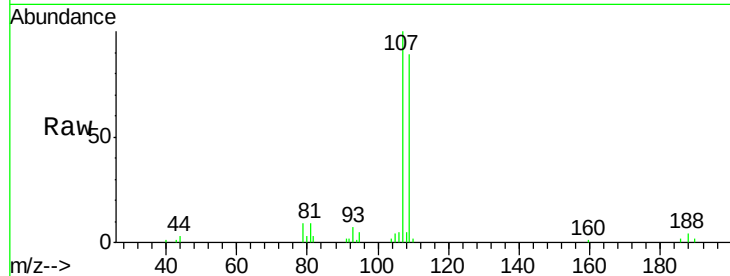




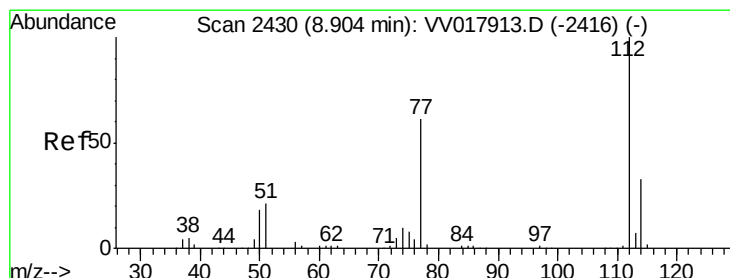
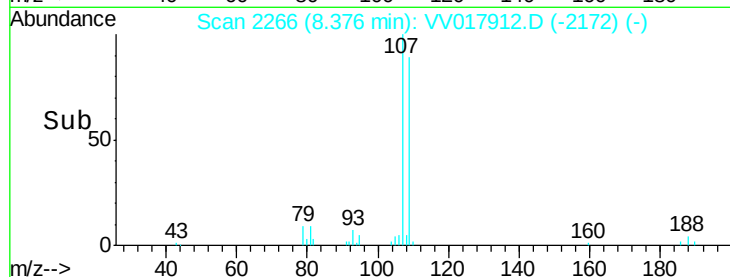
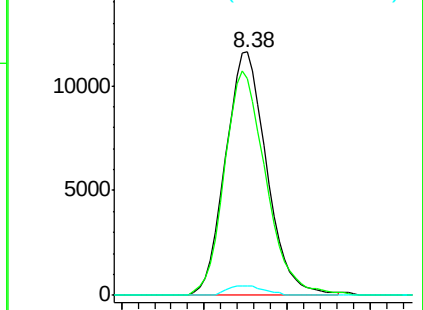
#50
1,2-Dibromoethane
Concen: 10.527 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.00 min
Lab File: VV017912.D
Acq: 11 Aug 2020 16:35

Instrument :
MSVOA_V
ClientSampleId :
VSTD01064

Tgt Ion:107 Resp: 20102
Ion Ratio Lower Upper
107 100
109 88.8 67.5 125.4
188 4.0 3.4 5.0

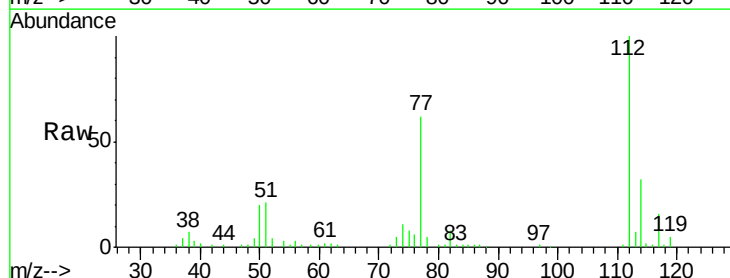


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

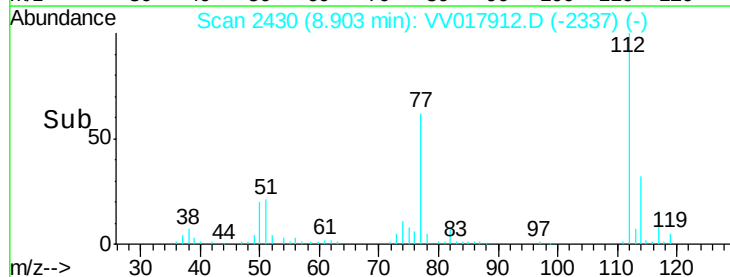
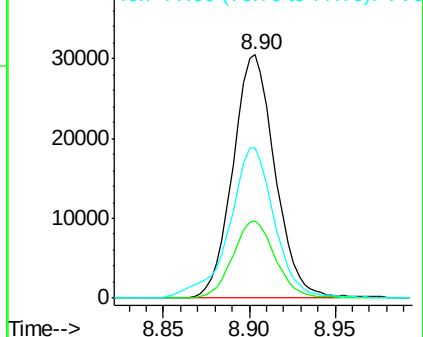


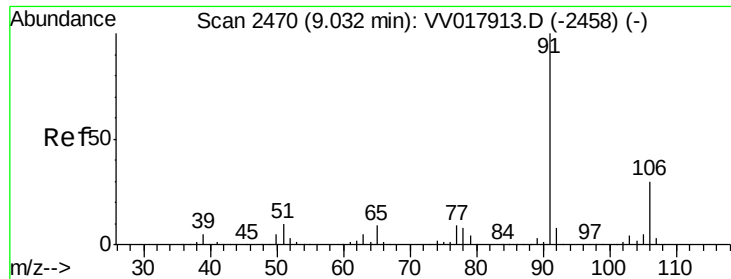
#51
Chlorobenzene
Concen: 10.327 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV017912.D
Acq: 11 Aug 2020 16:35

Tgt Ion:112 Resp: 51926
Ion Ratio Lower Upper
112 100
114 31.6 22.7 42.3
77 61.9 49.4 74.2



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: 10.100 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV017912.D

Acq: 11 Aug 2020 16:35

Instrument :

MSVOA_V

ClientSampleId :

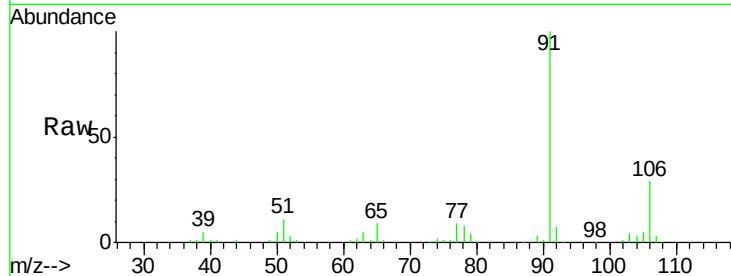
VSTD01064

Tgt Ion: 91 Resp: 84571

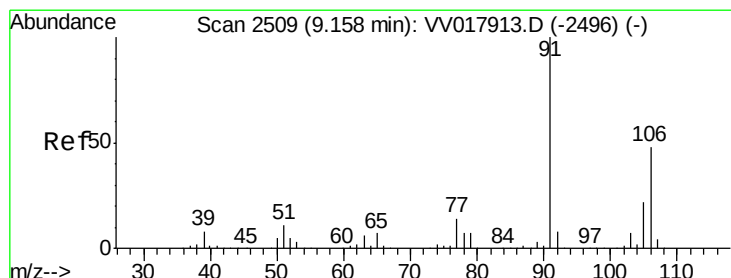
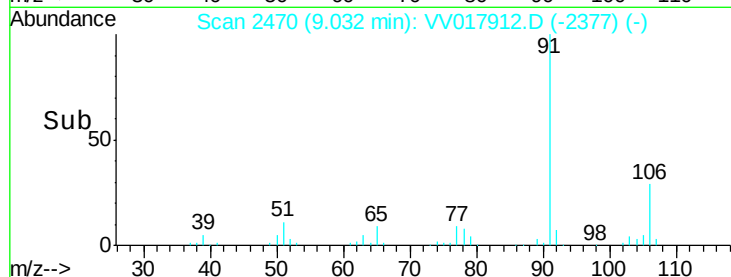
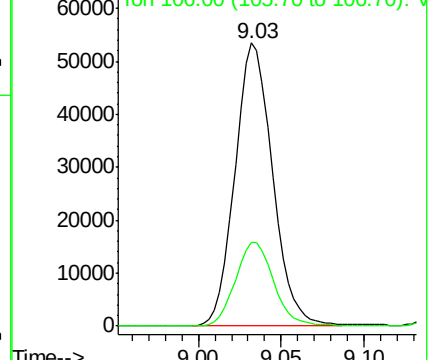
Ion Ratio Lower Upper

91 100

106 29.4 21.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VV017912.D (-2377) (-)



#53

m,p-Xylene

Concen: 9.513 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV017912.D

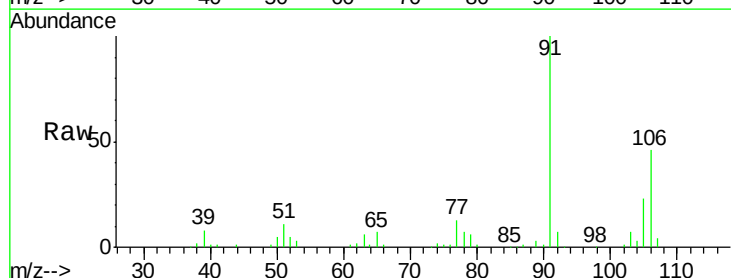
Acq: 11 Aug 2020 16:35

Tgt Ion: 106 Resp: 30752

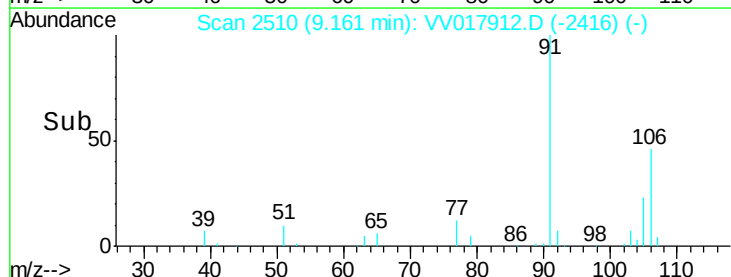
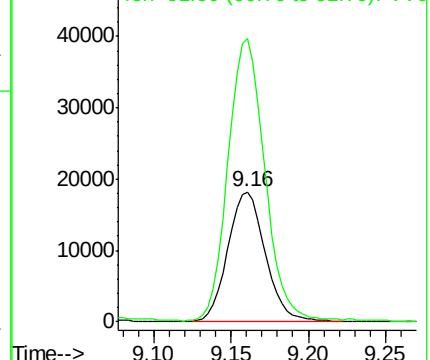
Ion Ratio Lower Upper

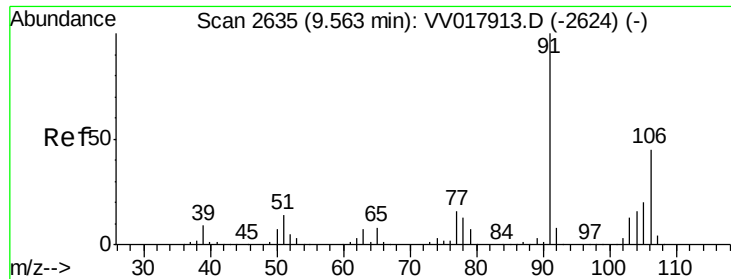
106 100

91 217.2 147.3 273.6



Abundance Ion 106.00 (105.70 to 106.70): VV017912.D (-2416) (-)

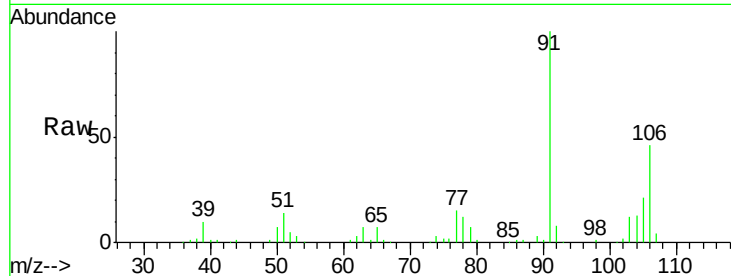




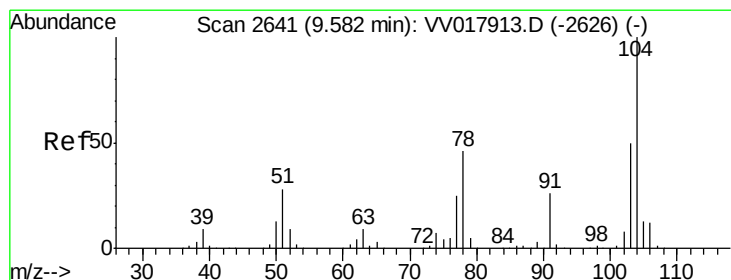
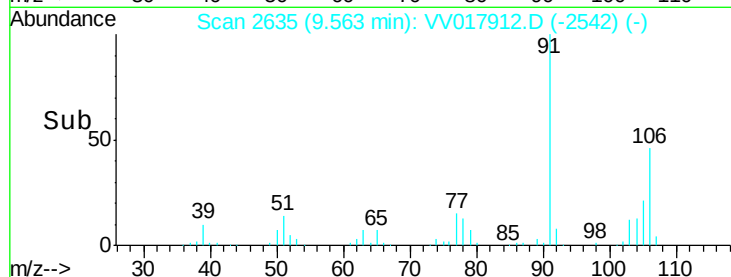
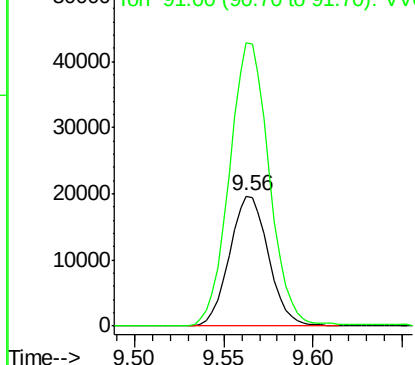
#54
o-xylene
Concen: 9.410 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV017912.D
Acq: 11 Aug 2020 16:35

Instrument :
MSVOA_V
ClientSampleId :
VSTD01064

Tgt Ion:106 Resp: 29873
Ion Ratio Lower Upper
106 100
91 217.6 156.0 289.8

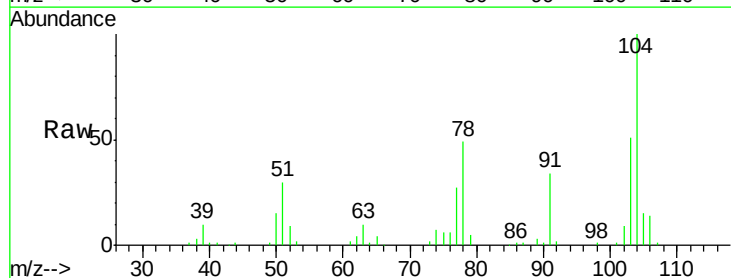


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

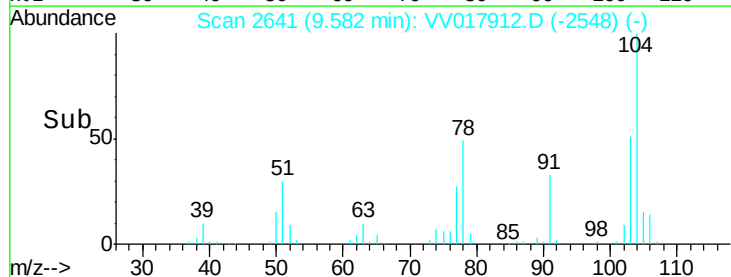
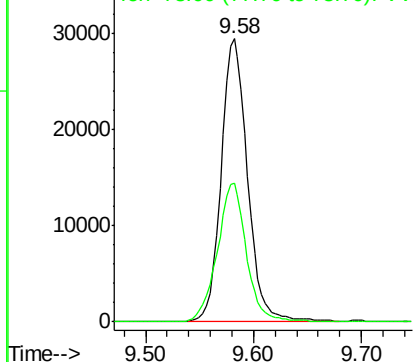


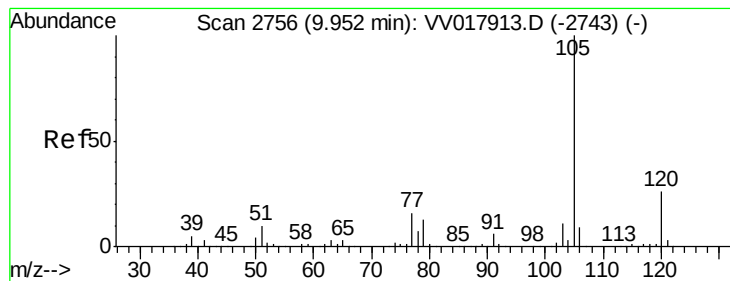
#55
Styrene
Concen: 9.163 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV017912.D
Acq: 11 Aug 2020 16:35

Tgt Ion:104 Resp: 50172
Ion Ratio Lower Upper
104 100
78 49.0 32.2 59.8



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





#56

Isopropylbenzene

Concen: 9.351 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017912.D

Acq: 11 Aug 2020 16:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD01064

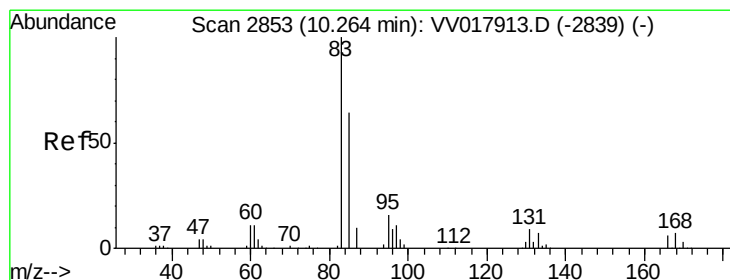
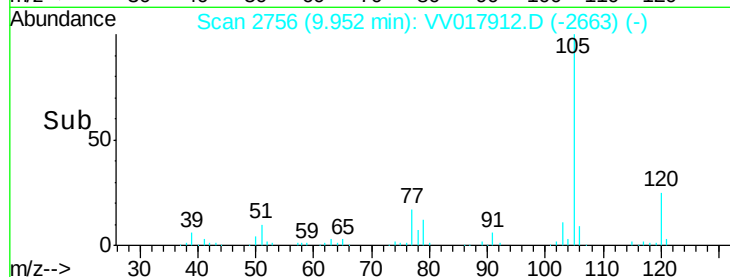
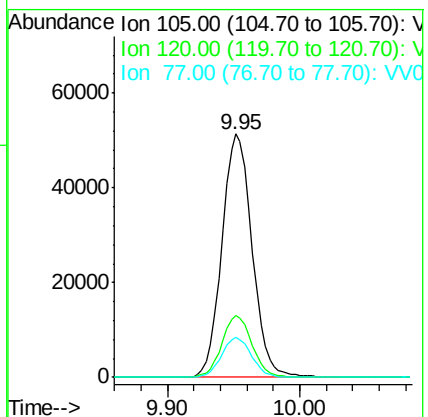
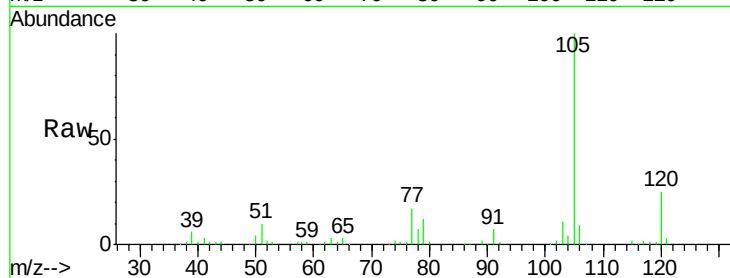
Tgt Ion: 105 Resp: 81207

Ion Ratio Lower Upper

105 100

120 25.3 20.6 31.0

77 16.1 13.1 19.7



#58

1,1,2,2-Tetrachloroethane

Concen: 11.964 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV017912.D

Acq: 11 Aug 2020 16:35

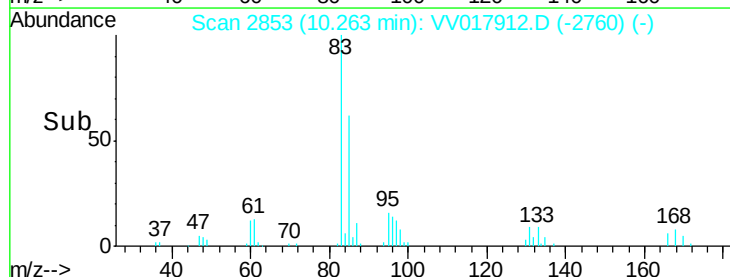
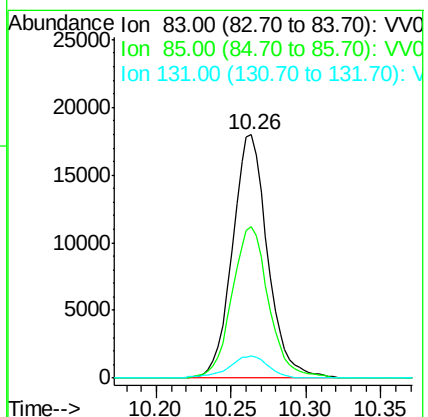
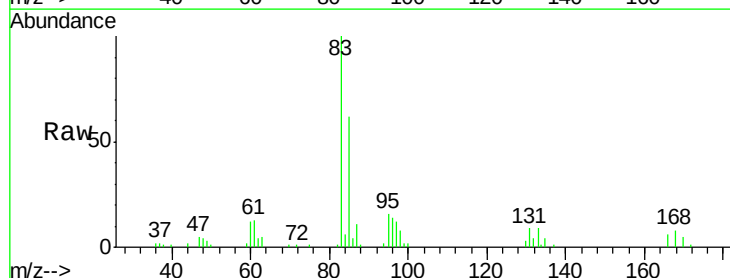
Tgt Ion: 83 Resp: 29477

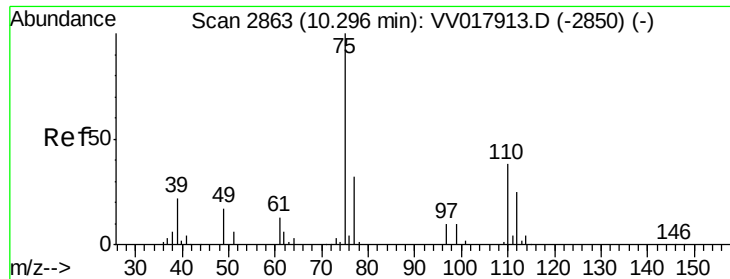
Ion Ratio Lower Upper

83 100

85 62.4 45.1 83.7

131 8.9 7.8 11.6

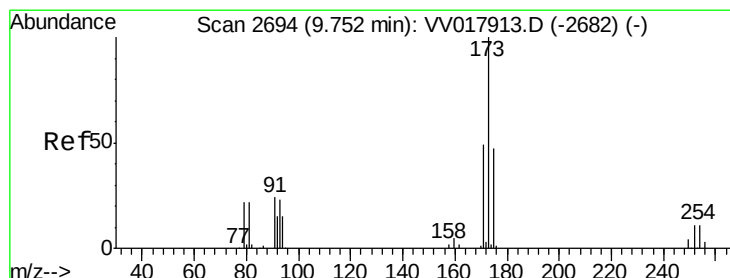
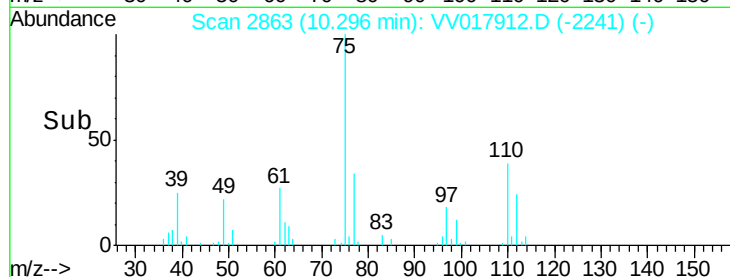
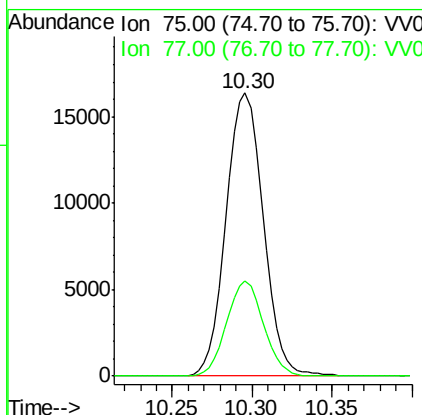
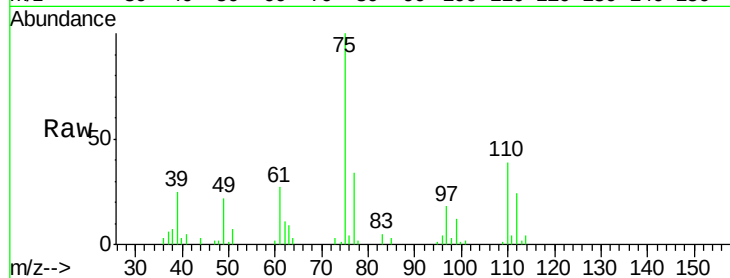




#59
 1,2,3-Trichloropropane
 Concen: 11.791 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VV017912.D
 Acq: 11 Aug 2020 16:35

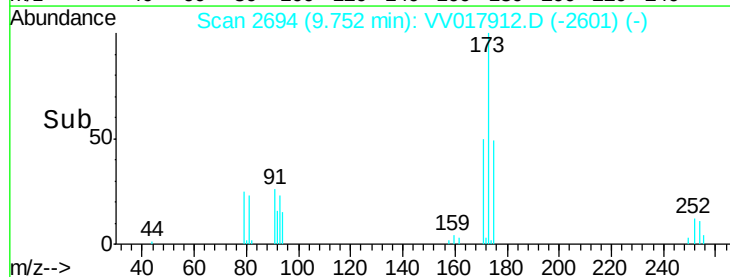
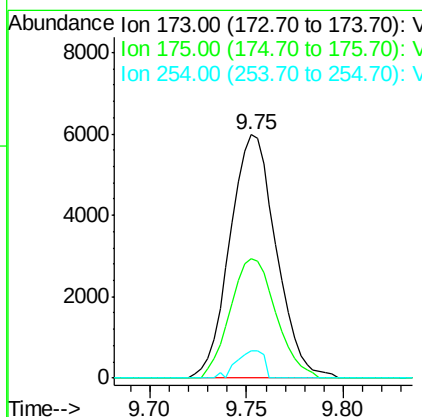
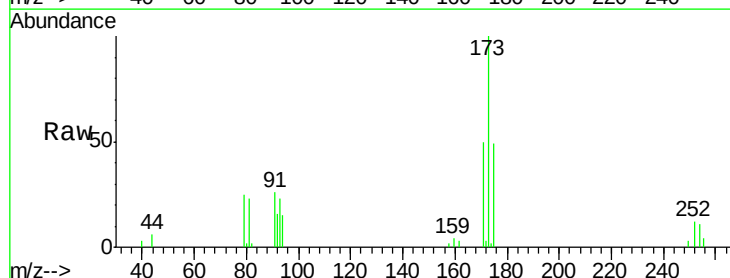
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

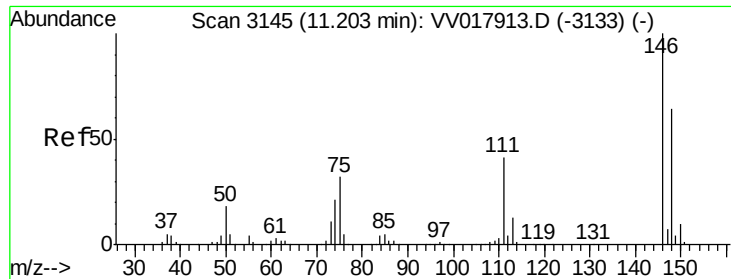
Tgt Ion: 75 Resp: 26006
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.7 38.5



#61
 Bromoform
 Concen: 8.913 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VV017912.D
 Acq: 11 Aug 2020 16:35

Tgt Ion: 173 Resp: 9949
 Ion Ratio Lower Upper
 173 100
 175 48.6 38.6 57.8
 254 6.3 8.4 12.6#

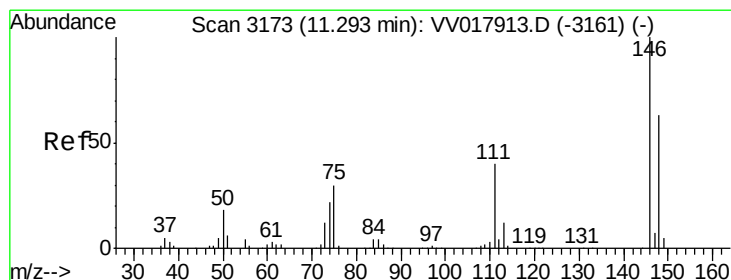
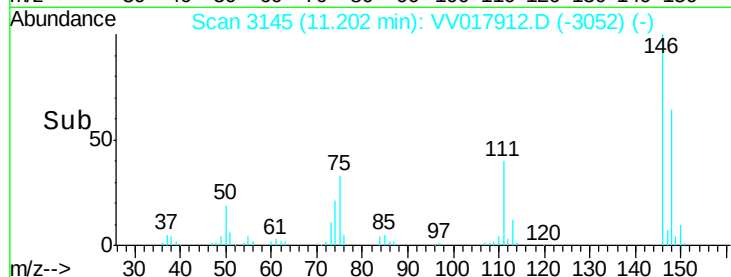
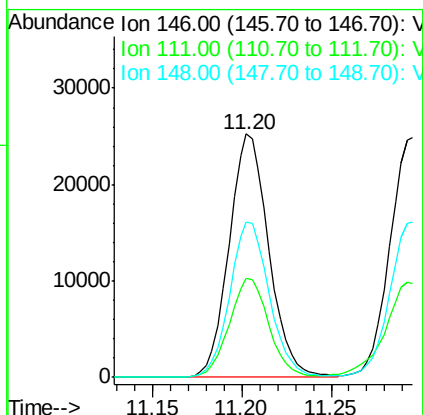
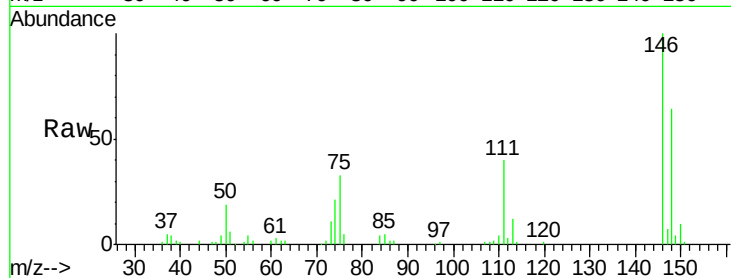




#62
 1,3-Dichlorobenzene
 Concen: 10.158 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV017912.D
 Acq: 11 Aug 2020 16:35

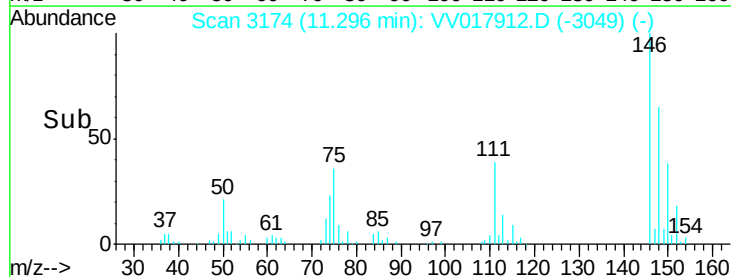
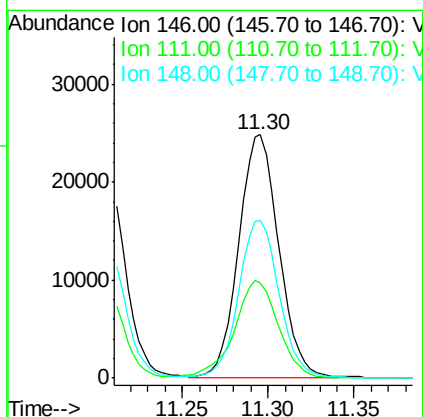
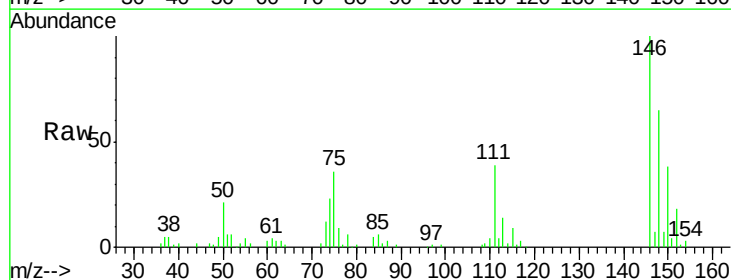
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

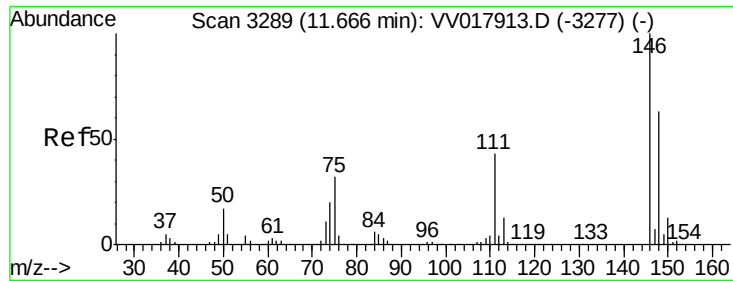
Tgt Ion:146 Resp: 39160
 Ion Ratio Lower Upper
 146 100
 111 40.5 28.8 53.4
 148 64.0 44.9 83.5



#63
 1,4-Dichlorobenzene
 Concen: 10.287 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV017912.D
 Acq: 11 Aug 2020 16:35

Tgt Ion:146 Resp: 40404
 Ion Ratio Lower Upper
 146 100
 111 39.3 28.0 52.0
 148 64.6 44.2 82.2

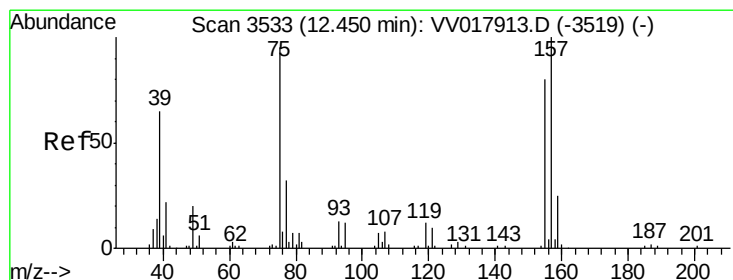
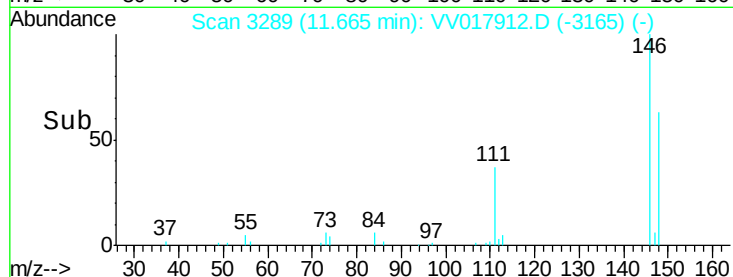
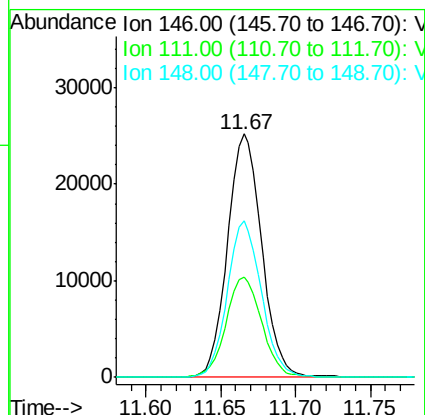
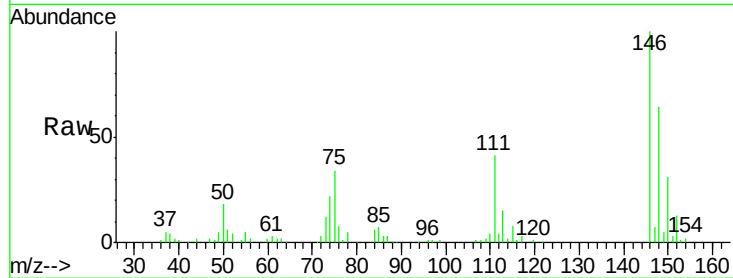




#65
 1,2-Dichlorobenzene
 Concen: 10.157 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV017912.D
 Acq: 11 Aug 2020 16:35

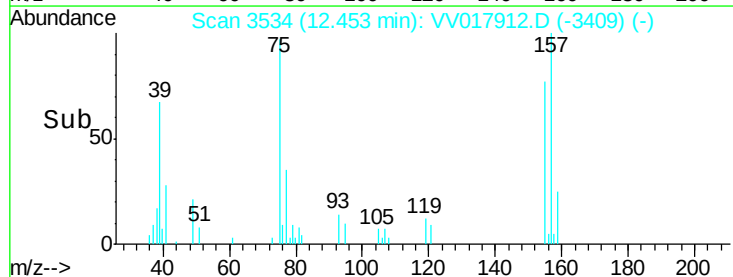
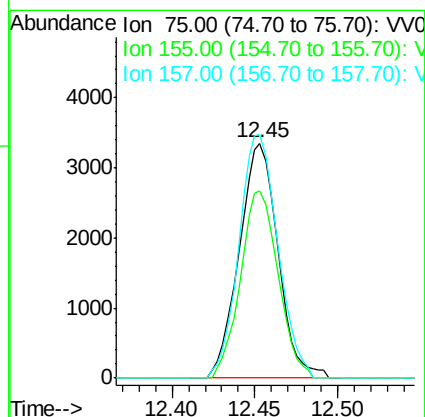
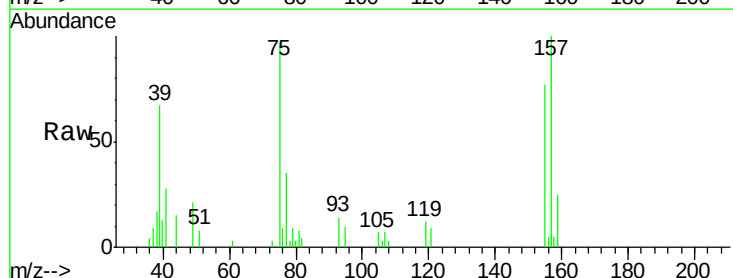
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

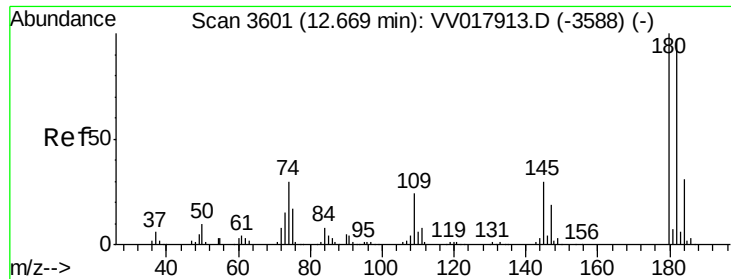
Tgt Ion: 146 Resp: 40228
 Ion Ratio Lower Upper
 146 100
 111 41.2 34.2 51.4
 148 64.1 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 10.086 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV017912.D
 Acq: 11 Aug 2020 16:35

Tgt Ion: 75 Resp: 5455
 Ion Ratio Lower Upper
 75 100
 155 79.9 67.6 101.4
 157 103.6 84.3 126.5





#67

1,3,5-Trichlorobenzene

Concen: 9.339 ug/L

RT: 12.67 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VV017912.D

Acq: 11 Aug 2020 16:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD01064

Tgt Ion:180 Resp: 28837

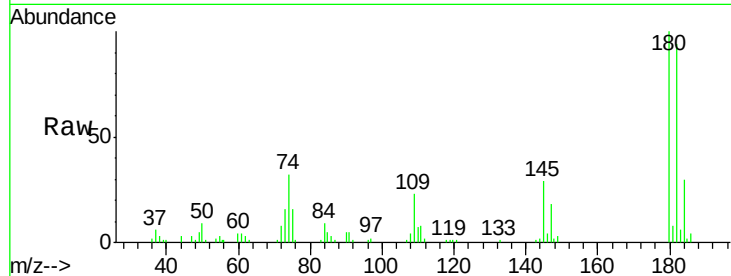
Ion Ratio Lower Upper

180 100

182 94.4 77.2 115.8

184 31.1 24.6 36.8

145 28.6 23.5 35.3

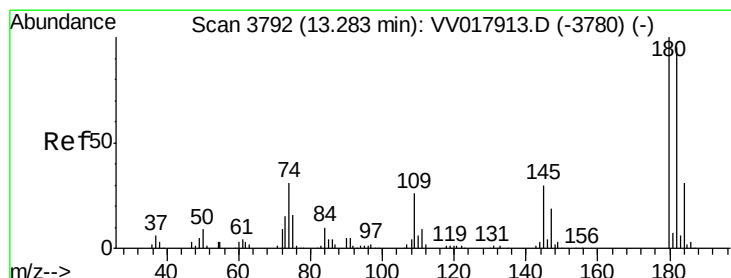
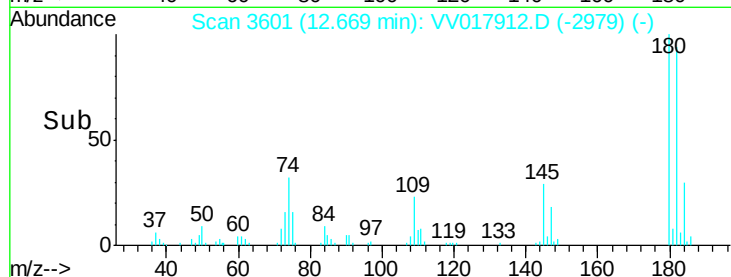
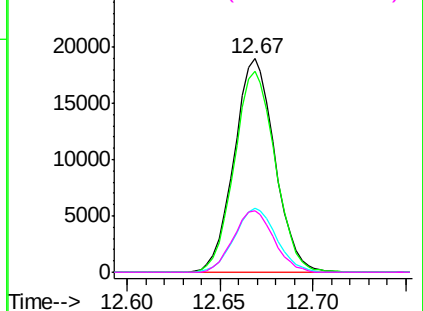


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68

1,2,4-trichlorobenzene

Concen: 8.992 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. 0.00 min

Lab File: VV017912.D

Acq: 11 Aug 2020 16:35

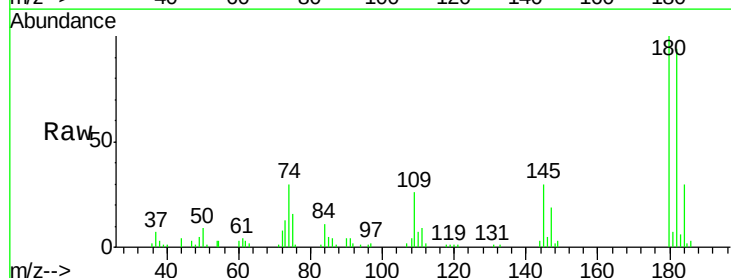
Tgt Ion:180 Resp: 24346

Ion Ratio Lower Upper

180 100

182 92.4 76.4 114.6

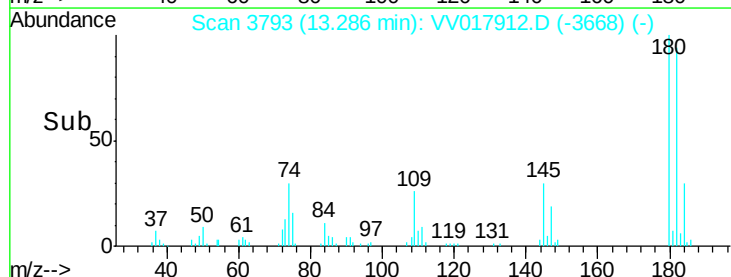
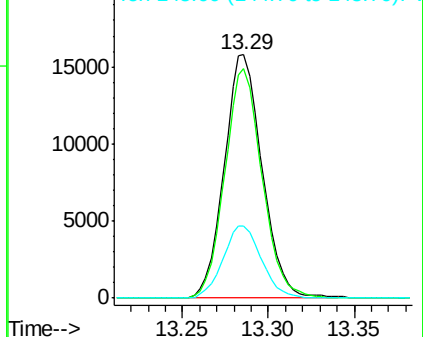
145 29.8 24.0 36.0

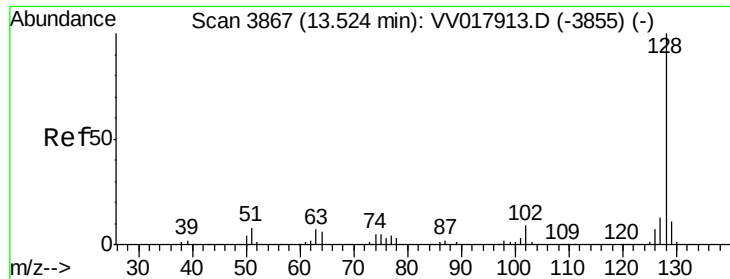


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 8.561 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV017912.D

Acq: 11 Aug 2020 16:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD01064

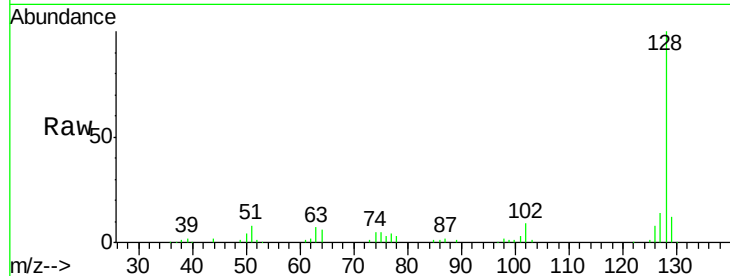
Tgt Ion:128 Resp: 61232

Ion Ratio Lower Upper

128 100

127 13.7 10.6 15.8

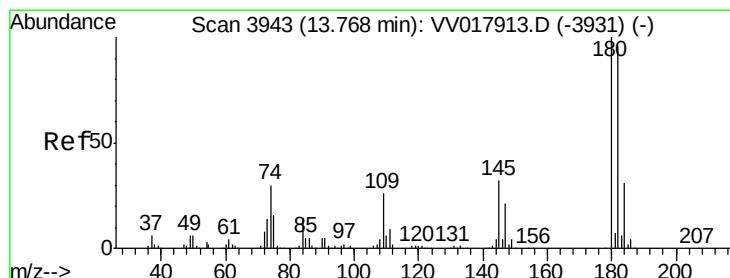
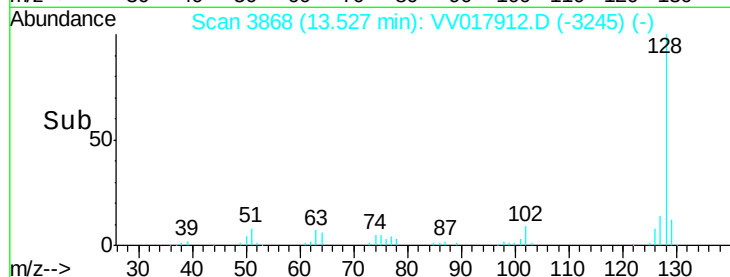
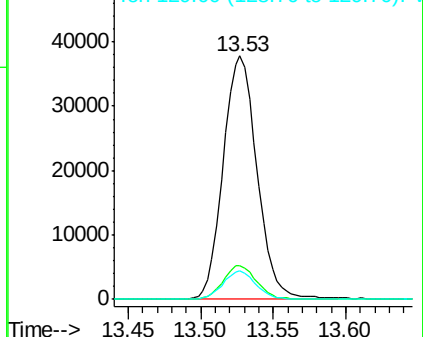
129 11.2 8.7 13.1



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: 9.233 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV017912.D

Acq: 11 Aug 2020 16:35

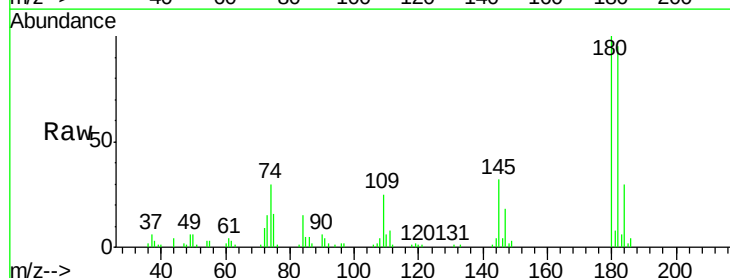
Tgt Ion:180 Resp: 25414

Ion Ratio Lower Upper

180 100

182 96.7 76.5 114.7

145 32.3 26.0 39.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

