

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072320\
 Data File : VV017599.D
 Acq On : 23 Jul 2020 12:19
 Operator : SY/MD
 Sample : VSTD0.536
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.536

Quant Time: Jul 24 01:04:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 24 01:03:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	187703	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	177134	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	91500	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	4378	0.42	ug/L	0.00
7) Chloroethane-d5	1.58	69	3503	0.42	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	9967	0.43	ug/L	0.00
20) 2-Butanone-d5	3.96	46	2558	1.16	ug/L	0.02
24) Chloroform-d	4.37	84	11702	0.49	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	5938	0.48	ug/L	0.00
32) Benzene-d6	5.08	84	19315	0.49	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	5693	0.52	ug/L	0.00
41) Toluene-d8	7.34	98	17517	0.45	ug/L	0.00
45) trans-1,3-Dichloropropene-	7.71	79	329	0.06	ug/L	0.07
48) 2-Hexanone-d5	8.12	63	5743	3.60	ug/L	0.00
59) 1,1,2,2-Tetrachloroethane-	10.23	84	3996	0.50	ug/L	0.00
65) 1,2-Dichlorobenzene-d4	11.65	152	8014	0.53	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	9845	0.449 ug/L	94
3) Chloromethane	1.25	50	7070	0.479 ug/L	90
5) Vinyl chloride	1.32	62	6450	0.435 ug/L	98
6) Bromomethane	1.53	94	4020	0.444 ug/L	87
8) Chloroethane	1.60	64	3839	0.449 ug/L	97
9) Trichlorofluoromethane	1.77	101	11846	0.438 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	5793	0.460 ug/L	96
12) 1,1-Dichloroethene	2.13	96	5130	0.461 ug/L	91
13) Acetone	2.24	43	2912	1.747 ug/L	91
14) Carbon disulfide	2.31	76	14797	0.435 ug/L #	90
15) Methyl Acetate	2.46	43	2882	0.868 ug/L #	49
16) Methylene chloride	2.52	84	7266	0.543 ug/L	96
17) Methyl tert-butyl Ether	2.79	73	13709	0.492 ug/L #	92
18) trans-1,2-Dichloroethene	2.78	96	5364	0.452 ug/L	95
19) 1,1-Dichloroethane	3.21	63	11403	0.489 ug/L	98
21) 2-Butanone	4.05	43	4890	1.878 ug/L	99
22) cis-1,2-Dichloroethene	3.94	96	6565	0.492 ug/L	93
23) Bromochloromethane	4.28	128	3243	0.543 ug/L	88
25) Chloroform	4.40	83	13167	0.520 ug/L	94
27) 1,2-Dichloroethane	5.16	62	8499	0.512 ug/L	99
29) 1,1,1-Trichloroethane	4.63	97	11826	0.478 ug/L	97
30) Cyclohexane	4.69	56	9321	0.485 ug/L	97
31) Carbon tetrachloride	4.85	117	10278	0.451 ug/L	97
33) Benzene	5.13	78	23747	0.504 ug/L	100
34) Trichloroethene	5.94	95	6877	0.485 ug/L	93
35) Methylcyclohexane	6.15	83	9222	0.434 ug/L	93
37) 1,2-Dichloropropane	6.20	63	5932	0.536 ug/L #	94
38) Bromodichloromethane	6.54	83	8539	0.510 ug/L	91
39) cis-1,3-Dichloropropene	7.06	75	7490	0.432 ug/L	98
40) 4-Methyl-2-pentanone	7.26	43	28845	4.894 ug/L	99

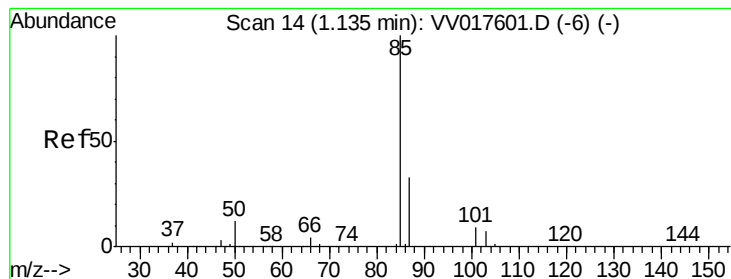
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072320\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	25508	0.491	ug/L	99
43) 1,3,5-Trimethylbenzene	10.56	105	20402	0.400	ug/L	95
44) 1,2,4-Trimethylbenzene	10.94	105	19618	0.385	ug/L	95
46) trans-1,3-Dichloropropene	7.68	75	7041	0.458	ug/L	93
47) 1,1,2-Trichloroethane	7.87	97	4271	0.514	ug/L	96
49) Tetrachloroethene	7.99	164	6123	0.507	ug/L	91
50) 2-Hexanone	8.17	43	18361	4.235	ug/L	93
51) Dibromochloromethane	8.27	129	5229	0.467	ug/L	92
52) 1,2-Dibromoethane	8.38	107	3940	0.487	ug/L #	98
53) Chlorobenzene	8.90	112	17261	0.497	ug/L	98
54) Ethylbenzene	9.04	91	27119	0.458	ug/L	99
55) m,p-xylene	9.16	106	10017	0.447	ug/L	98
56) o-xylene	9.57	106	10576	0.484	ug/L	85
57) Styrene	9.58	104	15003	0.411	ug/L	99
58) Isopropylbenzene	9.95	105	25323	0.415	ug/L	99
60) 1,1,2,2-Tetrachloroethane	10.26	83	5061	0.594	ug/L	90
62) Bromoform	9.76	173	2852	0.477	ug/L	97
63) 1,3-Dichlorobenzene	11.21	146	13948	0.487	ug/L	99
64) 1,4-Dichlorobenzene	11.29	146	14693	0.516	ug/L	93
66) 1,2-Dichlorobenzene	11.67	146	13408	0.514	ug/L	89
67) 1,2-Dibromo-3-chloropropan	12.46	75	1081	0.662	ug/L #	60
68) 1,3,5-Trichlorobenzene	12.67	180	12413	0.535	ug/L	93
69) 1,2,4-trichlorobenzene	13.29	180	9120	0.474	ug/L	93
70) Naphthalene	13.53	128	11507	0.422	ug/L	98
71) 1,2,3-Trichlorobenzene	13.77	180	7784	0.468	ug/L	94

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



#2

Dichlorodifluoromethane

Concen: 0.449 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017599.D

Acq: 23 Jul 2020 12:19

Instrument :

MSVOA_V

ClientSampleId :

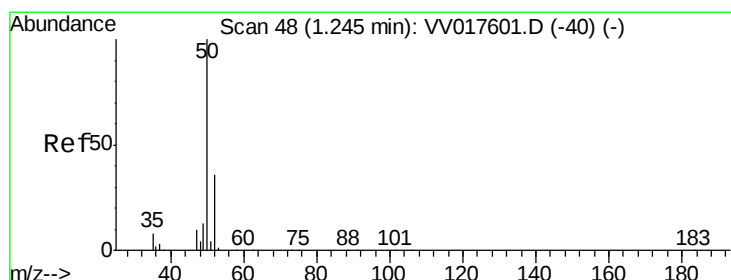
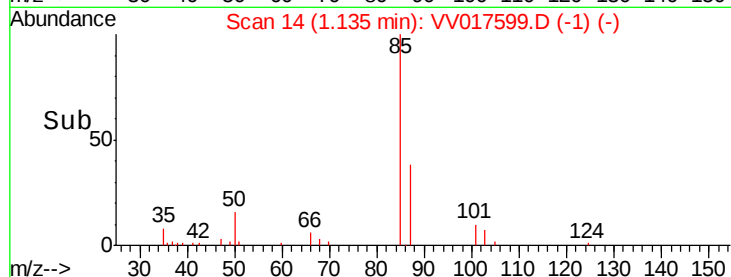
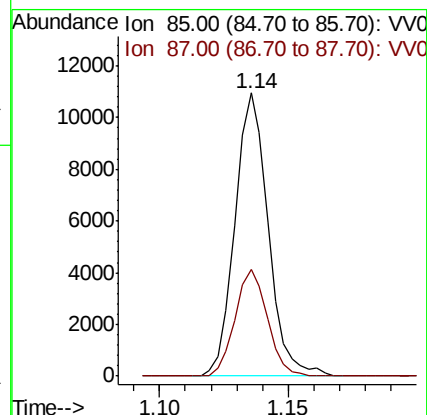
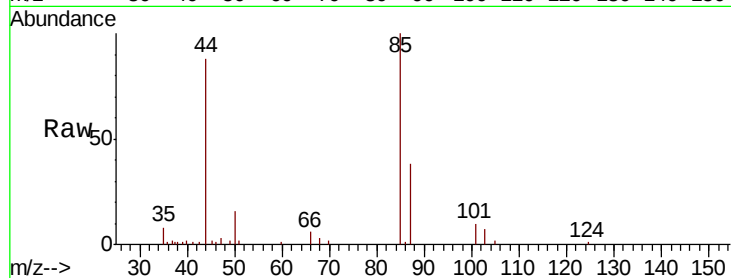
VSTD0.536

Tot Ion: 85 Resp: 9845

Ion Ratio Lower Upper

85 100

87 36.4 26.4 39.6



#3

Chloromethane

Concen: 0.479 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017599.D

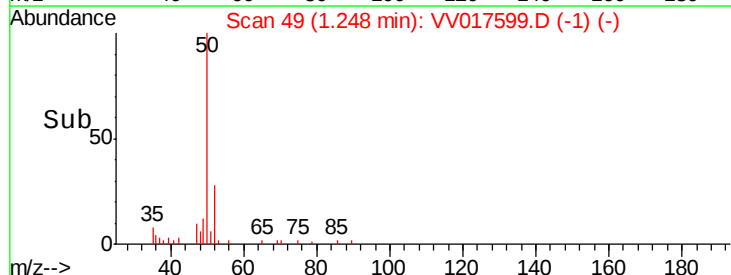
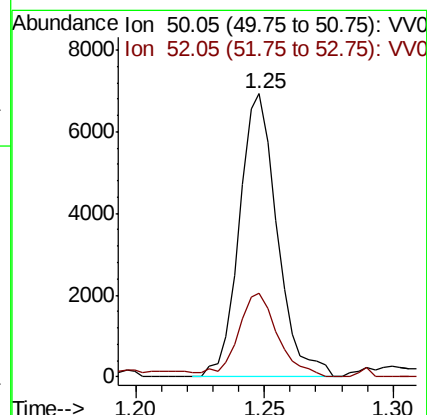
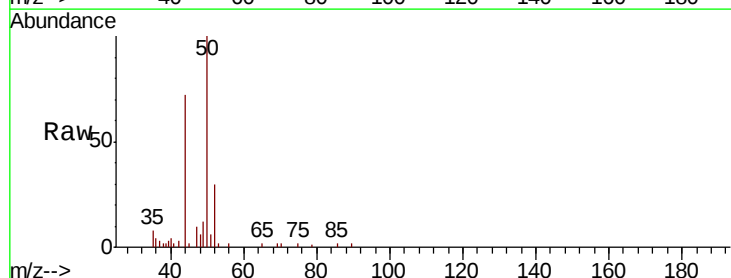
Acq: 23 Jul 2020 12:19

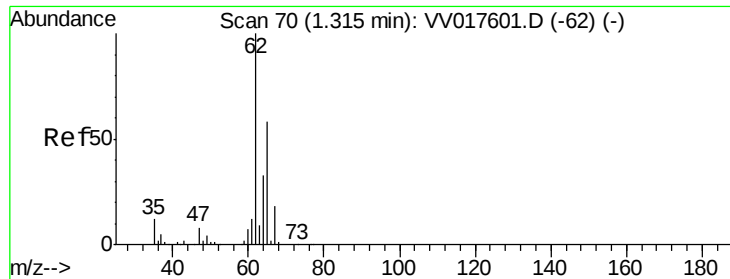
Tgt Ion: 50 Resp: 7070

Ion Ratio Lower Upper

50 100

52 29.7 25.1 46.5





#5

Vinyl chloride

Concen: 0.435 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV017599.D

Acq: 23 Jul 2020 12:19

Instrument :

MSVOA_V

ClientSampleId :

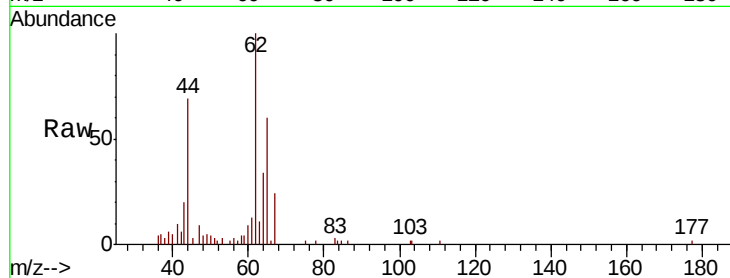
VSTD0.536

Tot Ion: 62 Resp: 6450

Ion Ratio Lower Upper

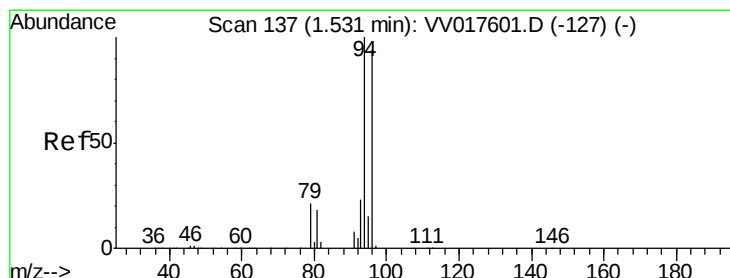
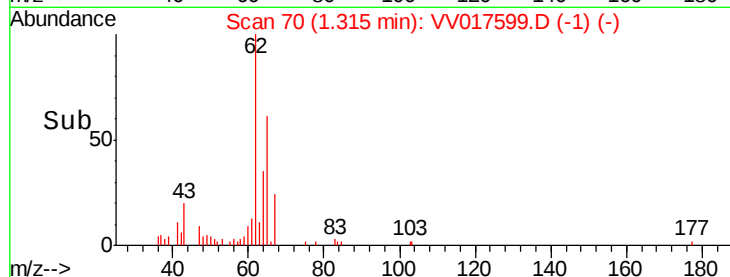
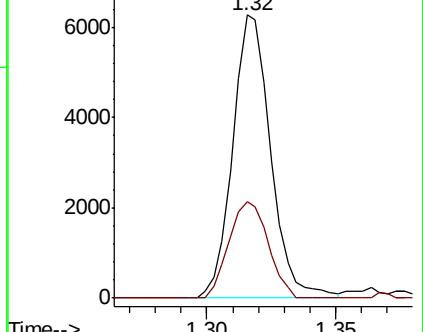
62 100

64 34.1 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VV017599.D (-62) (-)

Ion 64.10 (63.80 to 64.80): VV017599.D (-62) (-)



#6

Bromomethane

Concen: 0.444 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV017599.D

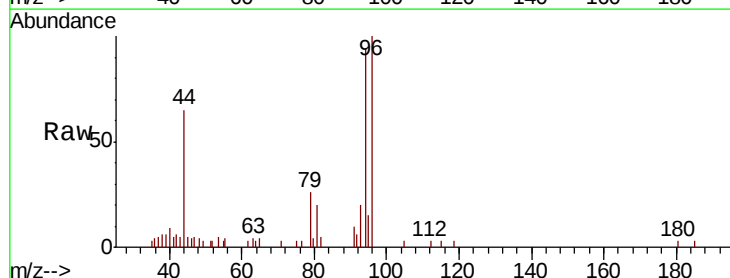
Acq: 23 Jul 2020 12:19

Tgt Ion: 94 Resp: 4020

Ion Ratio Lower Upper

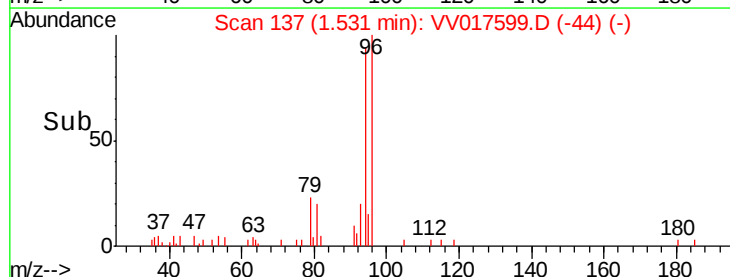
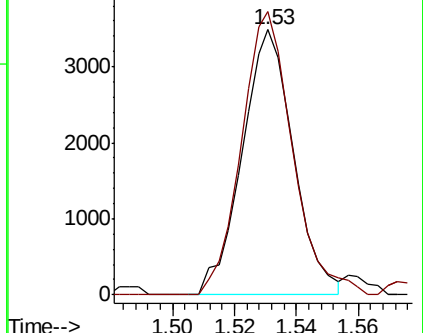
94 100

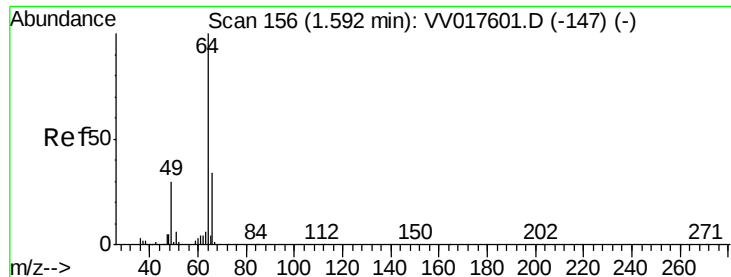
96 106.7 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VV017599.D (-127) (-)

Ion 96.00 (95.70 to 96.70): VV017599.D (-127) (-)

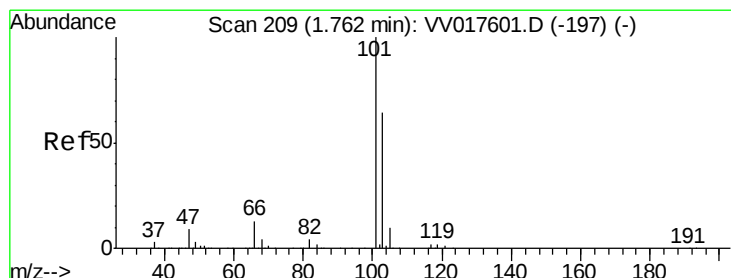
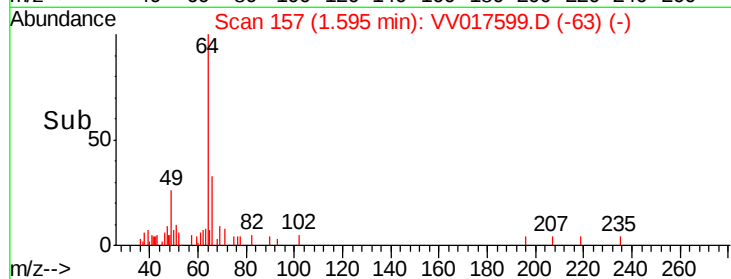
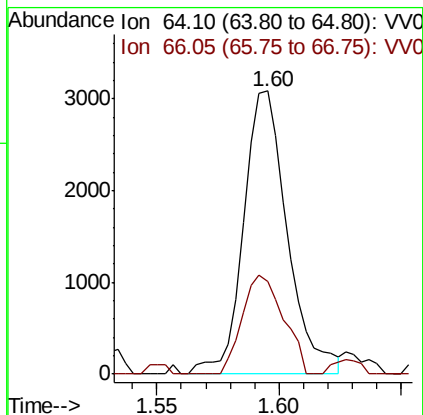
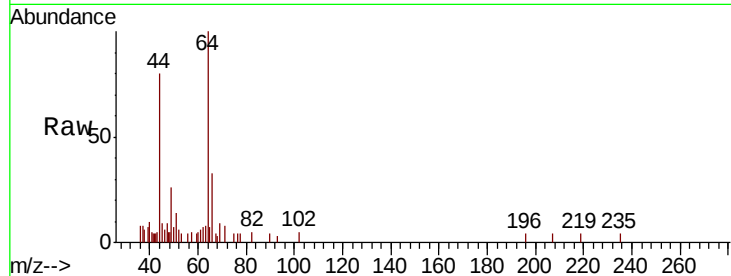




#8
Chloroethane
Concen: 0.449 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV017599.D
Acq: 23 Jul 2020 12:19

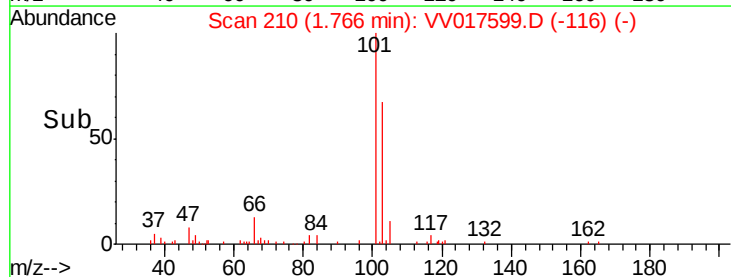
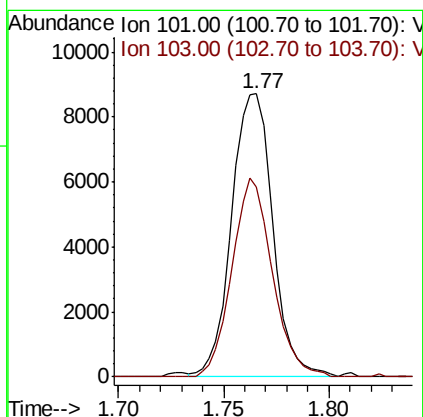
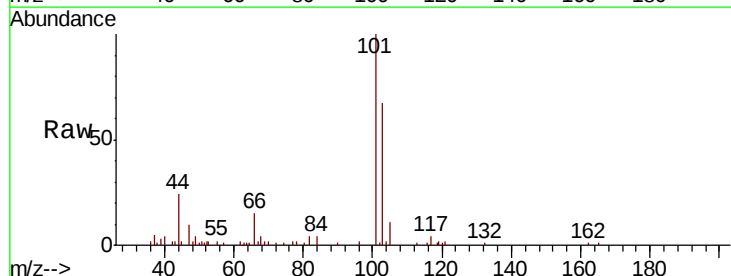
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.536

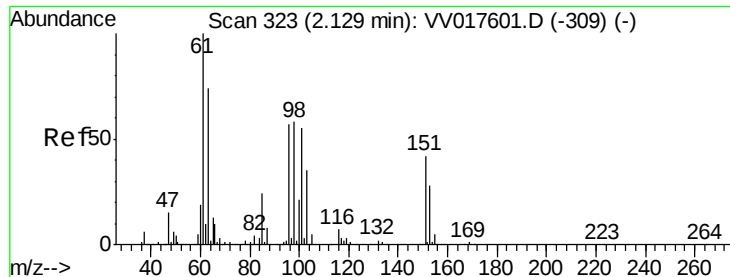
Tot Ion: 64 Resp: 3839
Ion Ratio Lower Upper
64 100
66 32.5 24.0 44.6



#9
Trichlorofluoromethane
Concen: 0.438 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV017599.D
Acq: 23 Jul 2020 12:19

Tgt Ion: 101 Resp: 11846
Ion Ratio Lower Upper
101 100
103 68.7 51.7 77.5





#10

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

Concen: 0.460 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017599.D

Acq: 23 Jul 2020 12:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.536

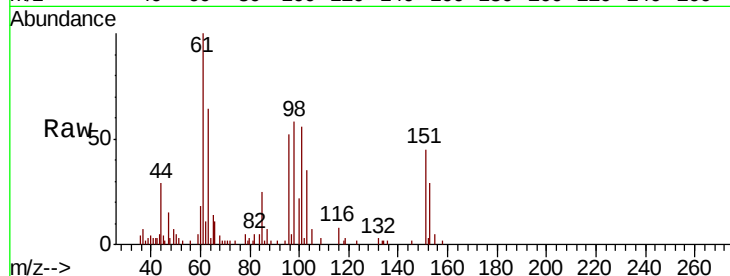
Tot Ion:101 Resp: 5793

Ion Ratio Lower Upper

101 100

85 49.7 34.6 51.8

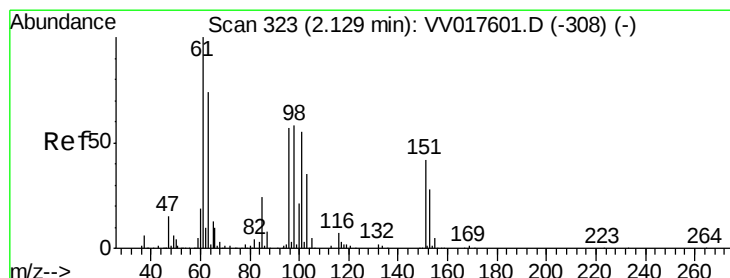
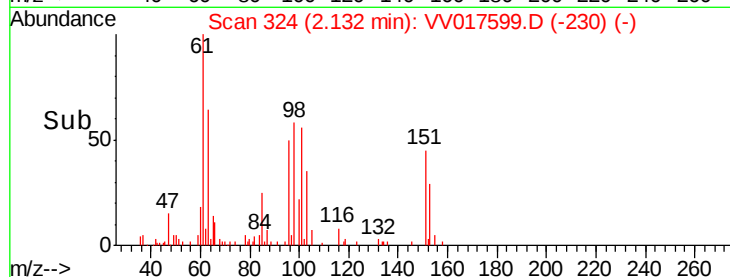
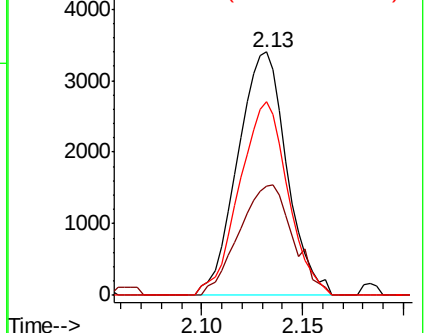
151 78.6 63.5 95.3



Abundance Ion 101.00 (100.70 to 101.70): VV017601.D (-309) (-)

Ion 85.00 (84.70 to 85.70): VV017601.D (-309) (-)

Ion 151.00 (150.70 to 151.70): VV017601.D (-309) (-)



#12

1,1-Dichloroethene

Concen: 0.461 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017599.D

Acq: 23 Jul 2020 12:19

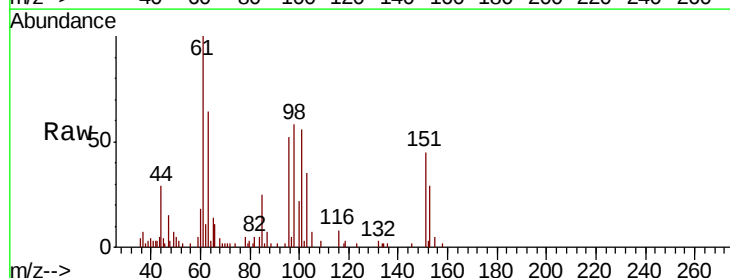
Tgt Ion: 96 Resp: 5130

Ion Ratio Lower Upper

96 100

61 191.8 123.1 228.7

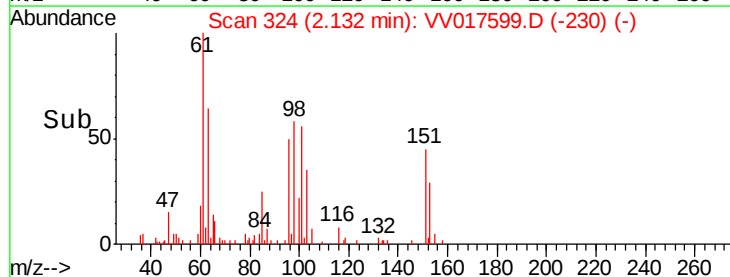
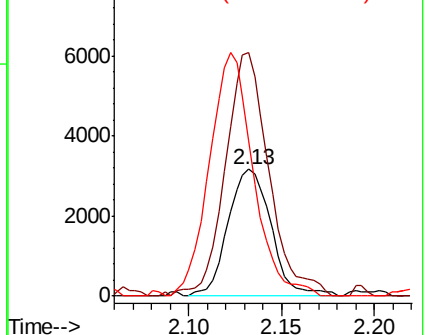
63 122.3 91.2 169.4

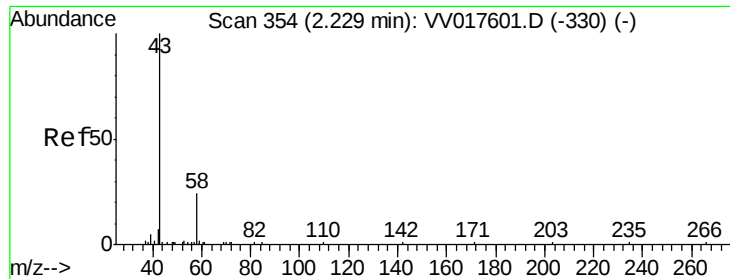


Abundance Ion 96.00 (95.70 to 96.70): VV017601.D (-308) (-)

Ion 61.05 (60.75 to 61.75): VV017601.D (-308) (-)

Ion 63.00 (62.70 to 63.70): VV017601.D (-308) (-)





#13

Acetone

Concen: 1.747 ug/L

RT: 2.24 min Scan# 356

Delta R.T. 0.01 min

Lab File: VV017599.D

Acq: 23 Jul 2020 12:19

Instrument :

MSVOA_V

ClientSampleId :

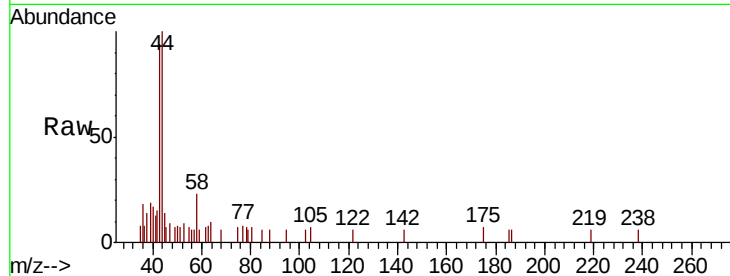
VSTD0.536

Tot Ion: 43 Resp: 2912

Ion Ratio Lower Upper

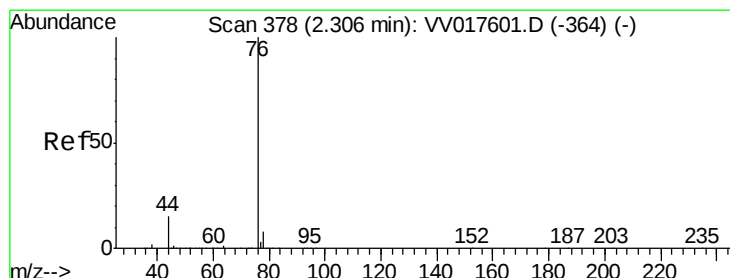
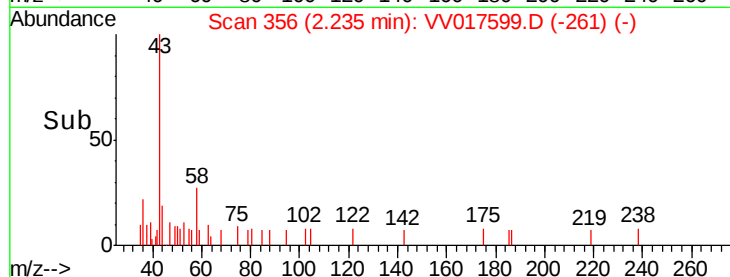
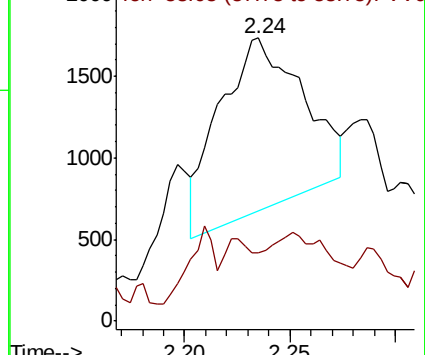
43 100

58 12.5 0.0 18.6



Abundance Ion 43.05 (42.75 to 43.75): VV017601.D (-330) (-)

Ion 58.05 (57.75 to 58.75): VV017601.D (-330) (-)



#14

Carbon disulfide

Concen: 0.435 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV017599.D

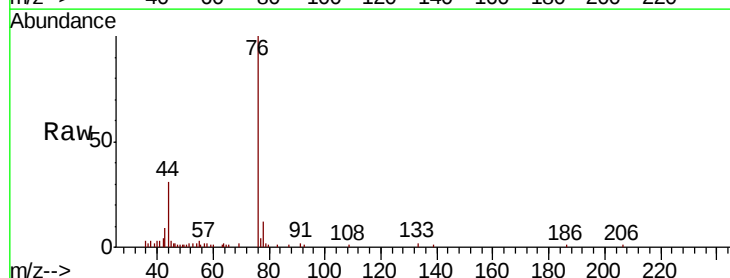
Acq: 23 Jul 2020 12:19

Tgt Ion: 76 Resp: 14797

Ion Ratio Lower Upper

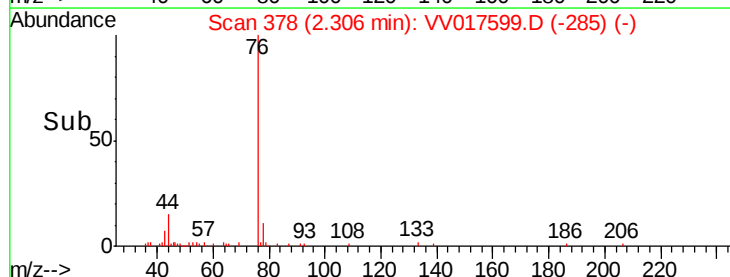
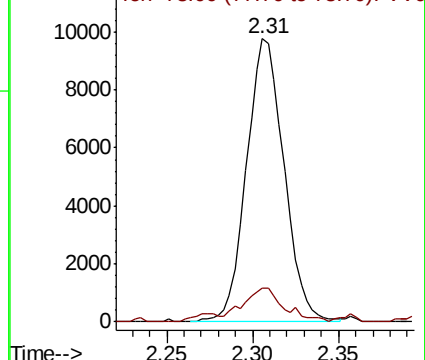
76 100

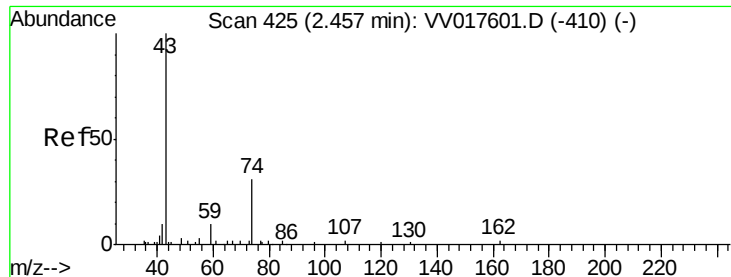
78 11.9 6.6 10.0#



Abundance Ion 76.05 (75.75 to 76.75): VV017601.D (-364) (-)

Ion 78.00 (77.70 to 78.70): VV017601.D (-364) (-)





#15

Methvl Acetate

Concen: 0.868 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.01 min

Lab File: VV017599.D

Acq: 23 Jul 2020 12:19

Instrument :

MSVOA_V

ClientSampleId :

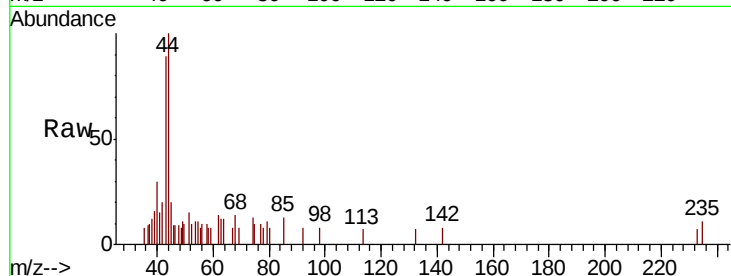
VSTD0.536

Tot Ion: 43 Resp: 2882

Ion Ratio Lower Upper

43 100

74 4.4 26.6 40.0#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

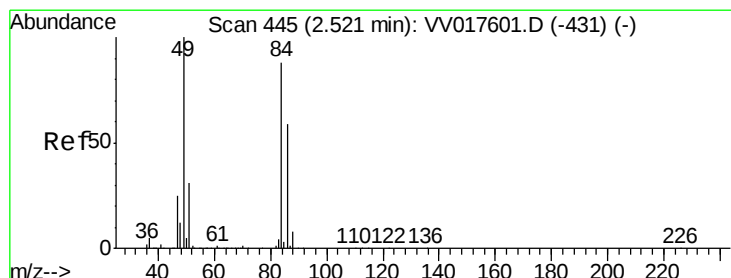
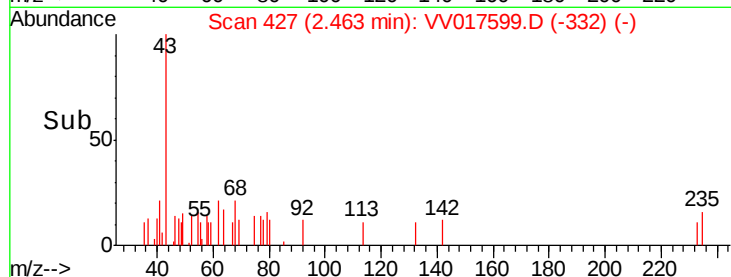
2.46

1000

500

0

Time--> 2.40 2.45 2.50



#16

Methylene chloride

Concen: 0.543 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV017599.D

Acq: 23 Jul 2020 12:19

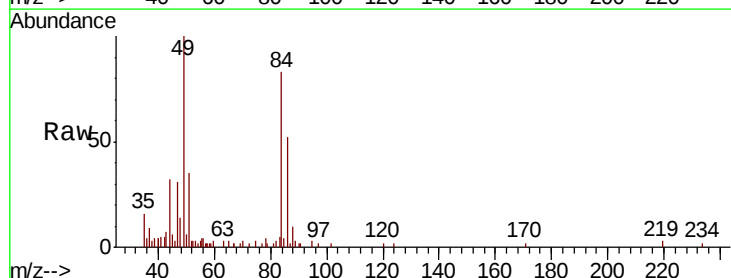
Tgt Ion: 84 Resp: 7266

Ion Ratio Lower Upper

84 100

86 59.3 46.5 86.3

49 114.5 79.2 147.2



Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

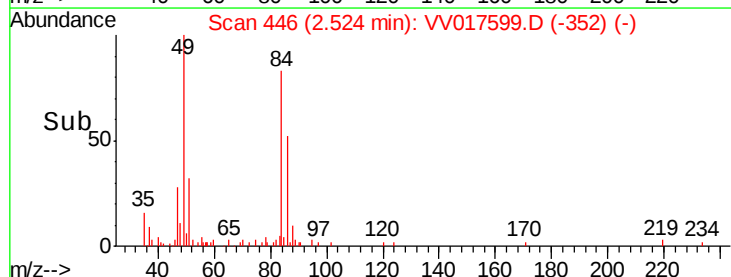
6000

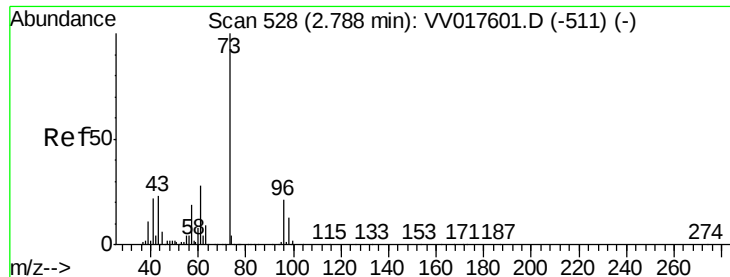
4000

2000

0

Time--> 2.45 2.50 2.55 2.60





#17

Methvl tert-butvl Ether

Concen: 0.492 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV017599.D

Acq: 23 Jul 2020 12:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.536

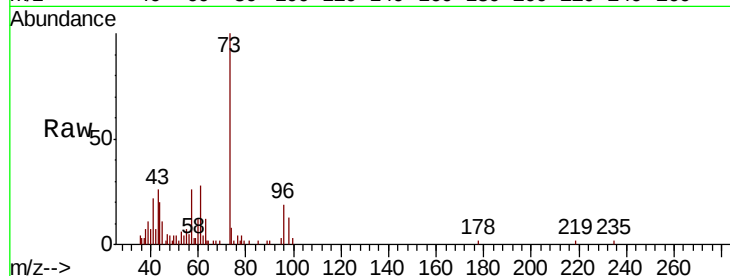
Tot Ion: 73 Resp: 13709

Ion Ratio Lower Upper

73 100

43 28.6 18.3 27.5#

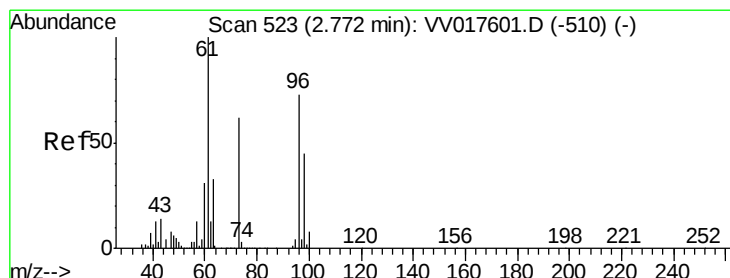
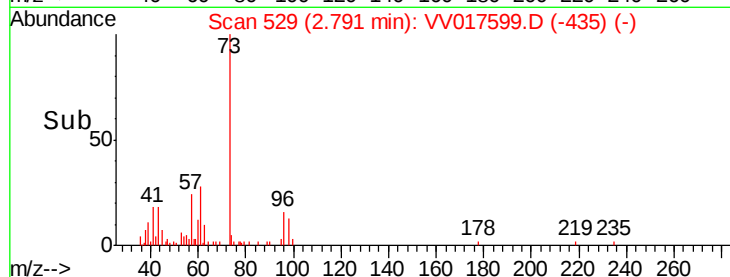
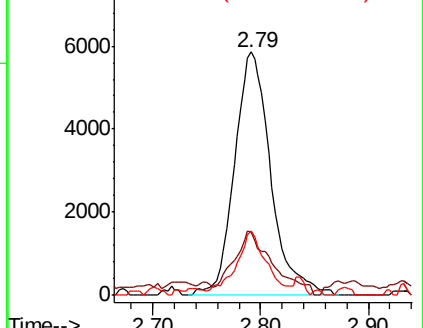
57 19.4 16.7 25.1



Abundance Ion 73.10 (72.80 to 73.80): VV017601.D (-511) (-)

Ion 43.05 (42.75 to 43.75): VV017601.D (-511) (-)

Ion 57.10 (56.80 to 57.80): VV017601.D (-511) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.452 ug/L

RT: 2.78 min Scan# 524

Delta R.T. 0.00 min

Lab File: VV017599.D

Acq: 23 Jul 2020 12:19

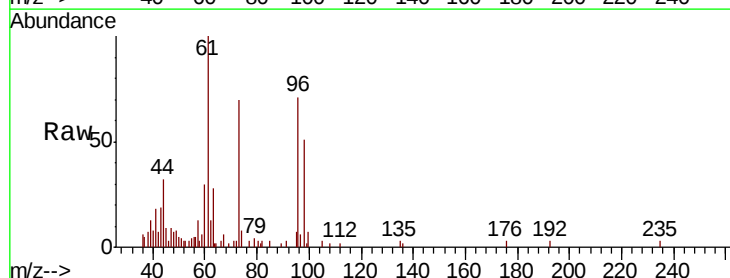
Tgt Ion: 96 Resp: 5364

Ion Ratio Lower Upper

96 100

61 140.0 96.0 178.4

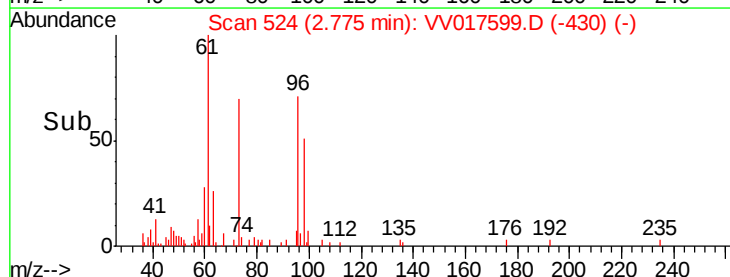
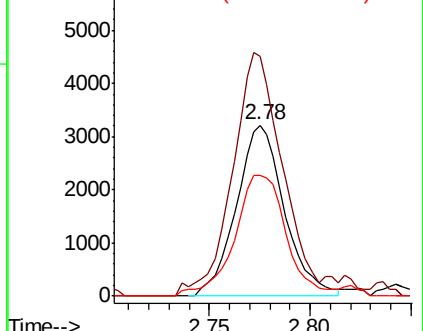
98 70.8 43.5 80.9

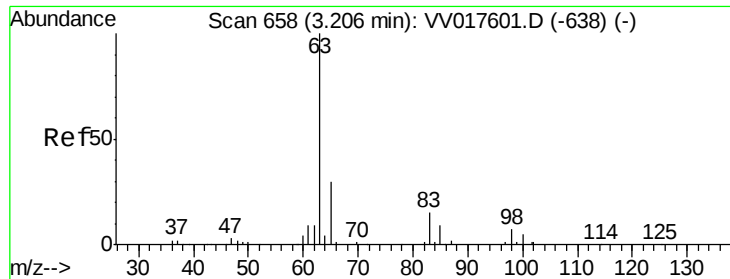


Abundance Ion 96.00 (95.70 to 96.70): VV017601.D (-510) (-)

Ion 61.05 (60.75 to 61.75): VV017601.D (-510) (-)

Ion 97.95 (97.65 to 98.65): VV017601.D (-510) (-)

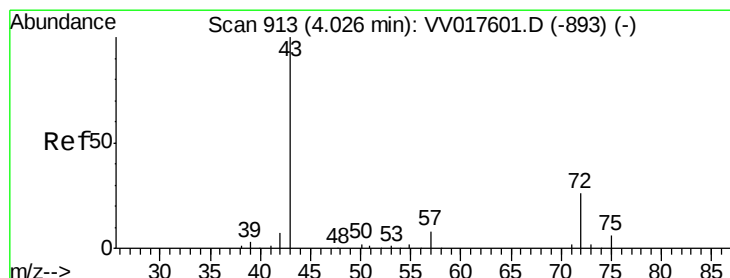
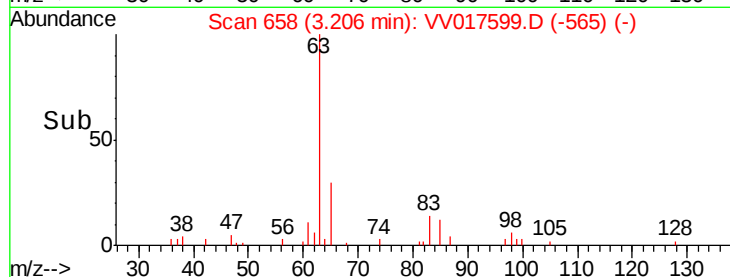
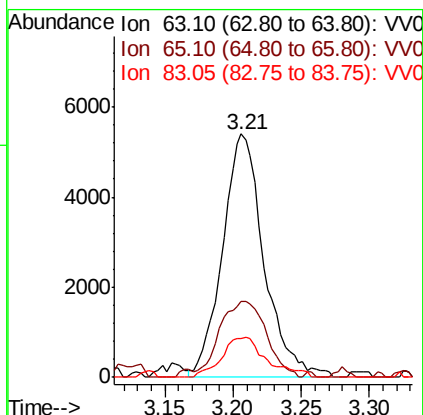
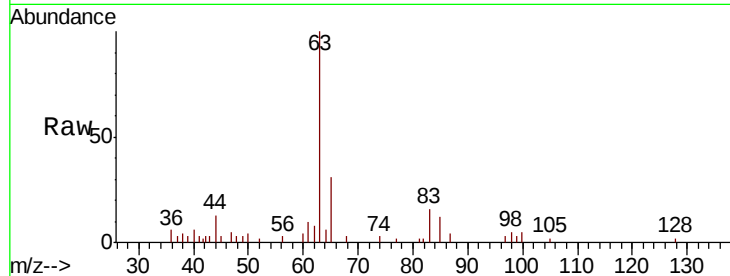




#19
 1,1-Dichloroethane
 Concen: 0.489 ug/L
 RT: 3.21 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VV017599.D
 Acq: 23 Jul 2020 12:19

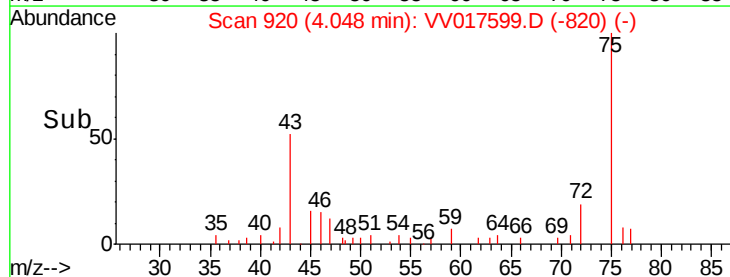
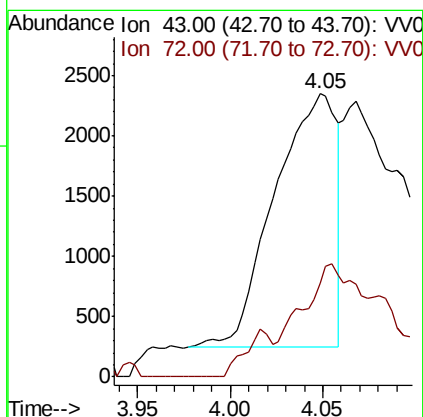
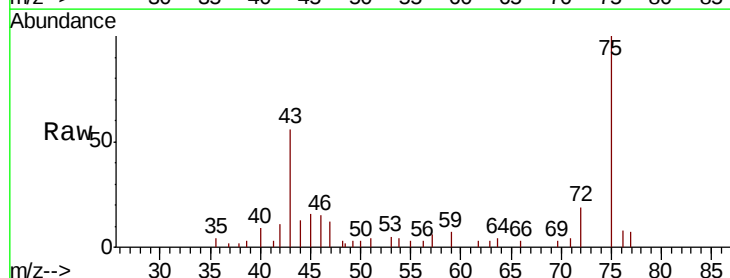
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.536

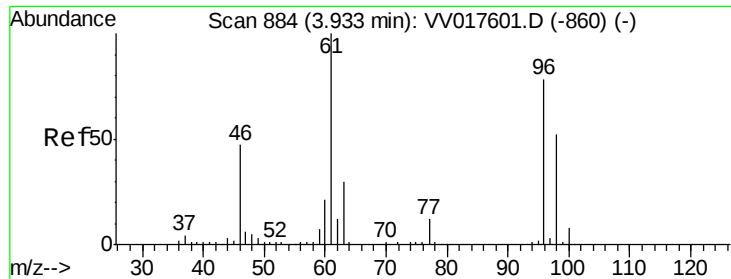
Tot Ion: 63 Resp: 11403
 Ion Ratio Lower Upper
 63 100
 65 31.1 21.4 39.8
 83 16.0 10.4 19.4



#21
 2-Butanone
 Concen: 1.878 ug/L
 RT: 4.05 min Scan# 920
 Delta R.T. 0.02 min
 Lab File: VV017599.D
 Acq: 23 Jul 2020 12:19

Tgt Ion: 43 Resp: 4890
 Ion Ratio Lower Upper
 43 100
 72 26.3 13.0 38.9



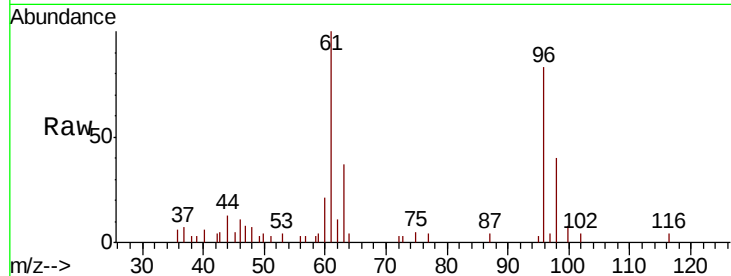


#22

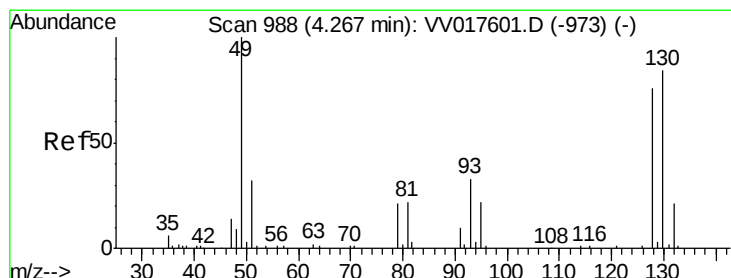
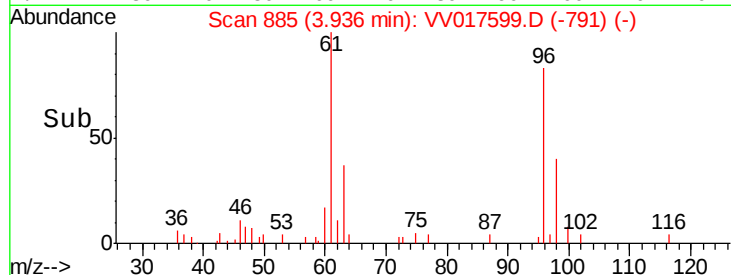
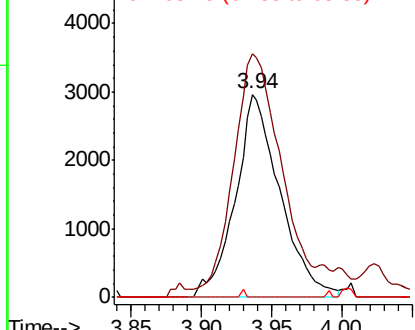
cis-1,2-Dichloroethene
 Concen: 0.492 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV017599.D
 Acq: 23 Jul 2020 12:19

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.536

Tot Ion: 96 Resp: 6565
 Ion Ratio Lower Upper
 96 100
 61 119.9 89.6 166.4
 68 0.0 0.0 0.0



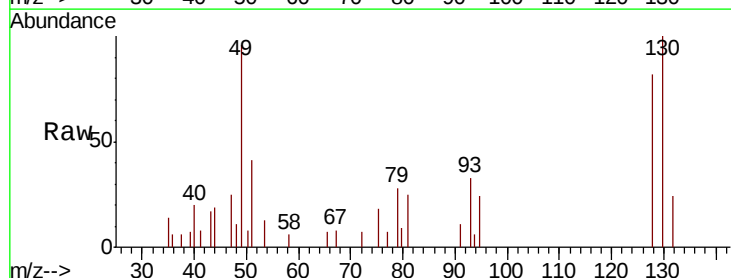
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



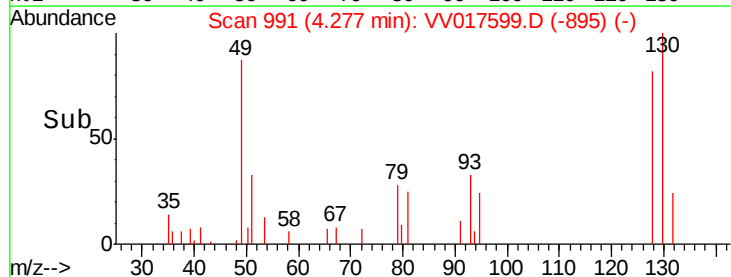
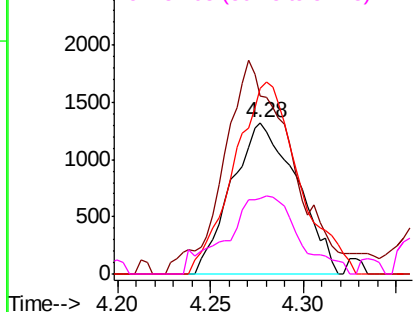
#23

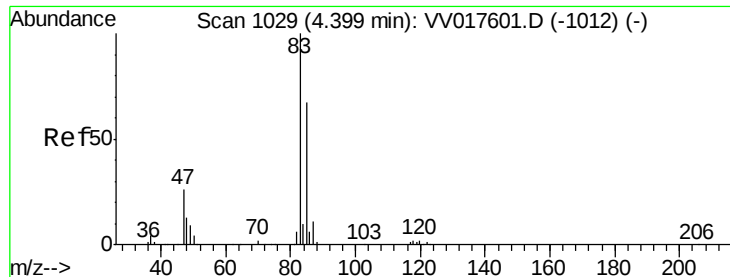
Bromochloromethane
 Concen: 0.543 ug/L
 RT: 4.28 min Scan# 991
 Delta R.T. 0.01 min
 Lab File: VV017599.D
 Acq: 23 Jul 2020 12:19

Tgt Ion: 128 Resp: 3243
 Ion Ratio Lower Upper
 128 100
 49 117.3 92.2 171.2
 130 122.5 77.2 143.4
 51 49.8 33.8 50.6



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0





#25

Chloroform

Concen: 0.520 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VV017599.D

Acq: 23 Jul 2020 12:19

Instrument :

MSVOA_V

ClientSampleId :

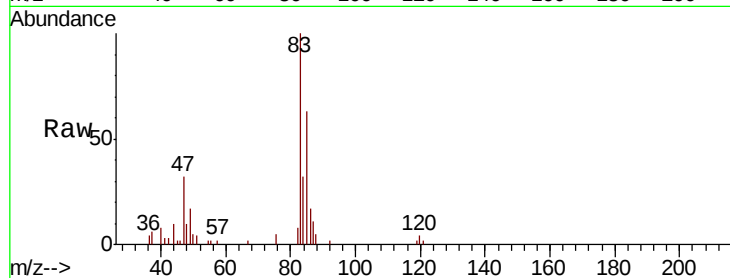
VSTD0.536

Tot Ion: 83 Resp: 13167

Ion Ratio Lower Upper

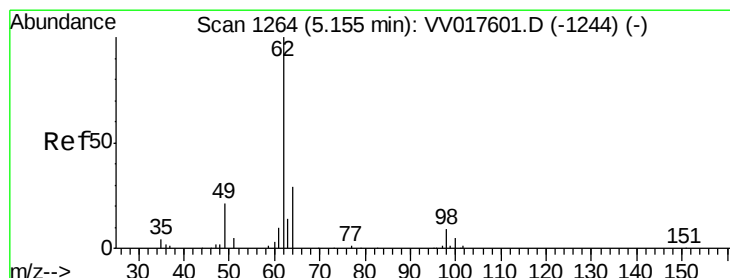
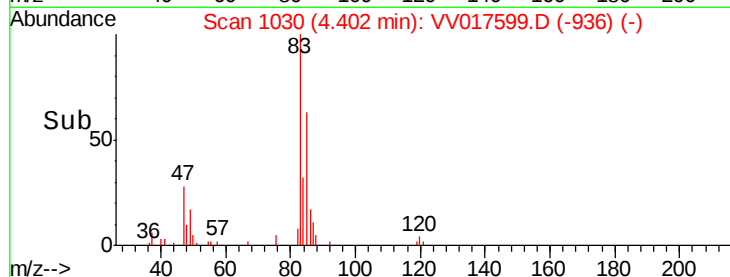
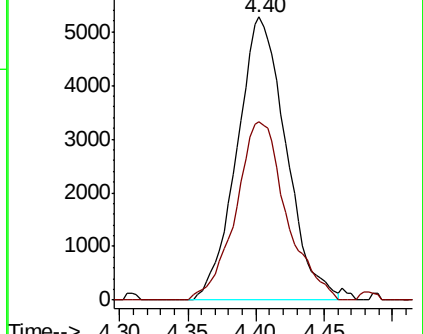
83 100

85 62.9 47.3 87.9



Abundance Ion 83.05 (82.75 to 83.75): VV017601.D (-1012) (-)

Ion 85.00 (84.70 to 85.70): VV017601.D (-1012) (-)



#27

1,2-Dichloroethane

Concen: 0.512 ug/L

RT: 5.16 min Scan# 1267

Delta R.T. 0.01 min

Lab File: VV017599.D

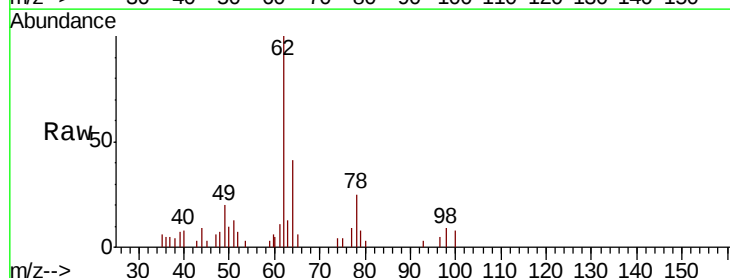
Acq: 23 Jul 2020 12:19

Tgt Ion: 62 Resp: 8499

Ion Ratio Lower Upper

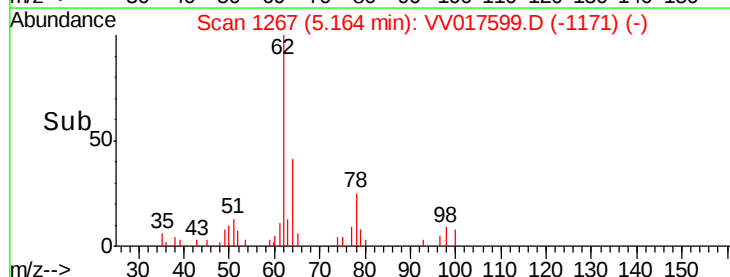
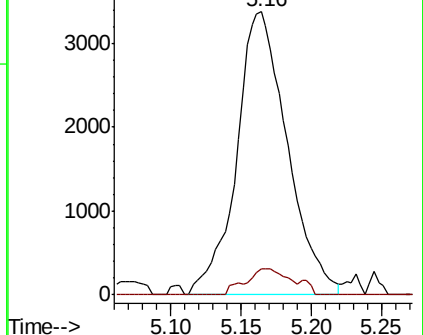
62 100

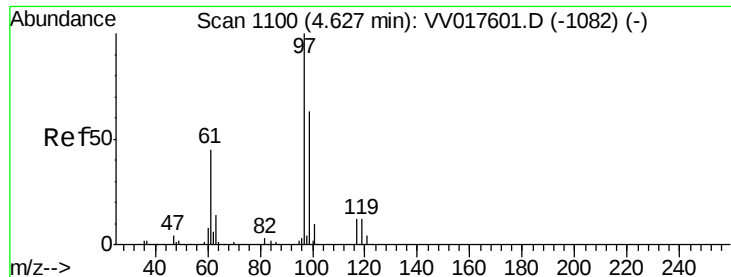
98 9.1 7.0 10.6



Abundance Ion 62.00 (61.70 to 62.70): VV017601.D (-1244) (-)

Ion 98.05 (97.75 to 98.75): VV017601.D (-1244) (-)

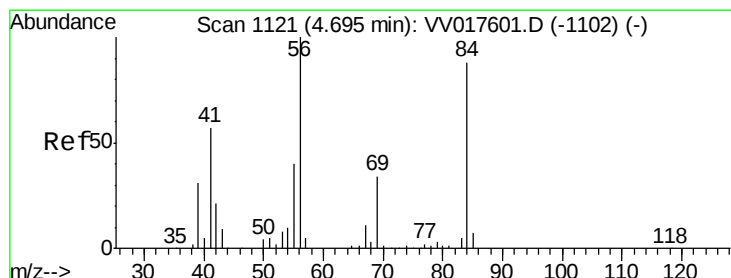
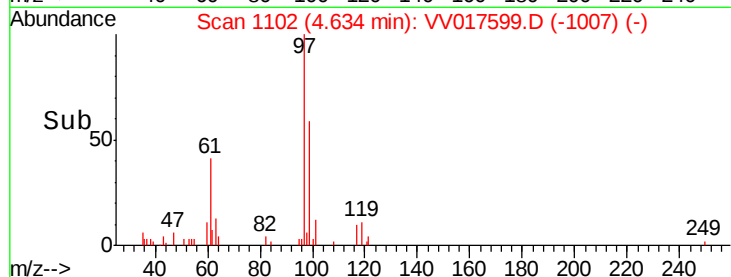
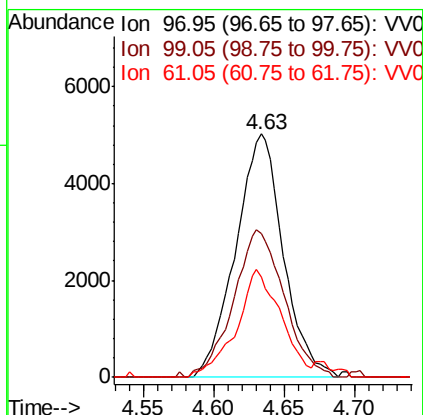
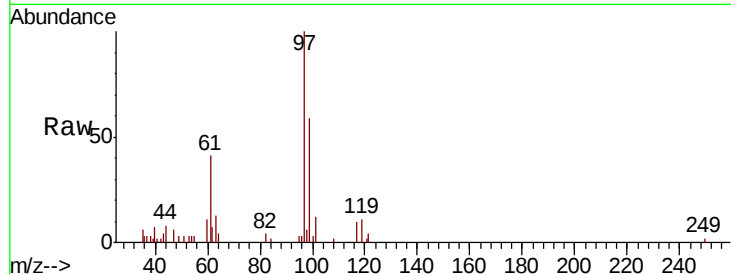




#29
 1,1,1-Trichloroethane
 Concen: 0.478 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. 0.01 min
 Lab File: VV017599.D
 Acq: 23 Jul 2020 12:19

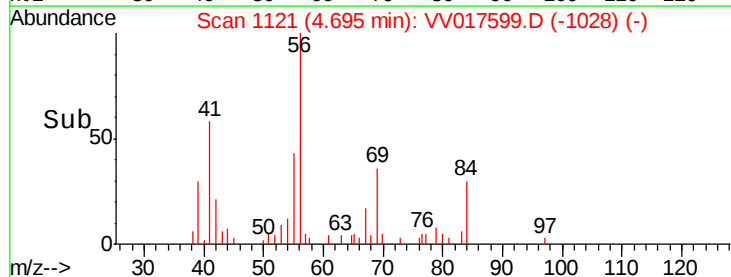
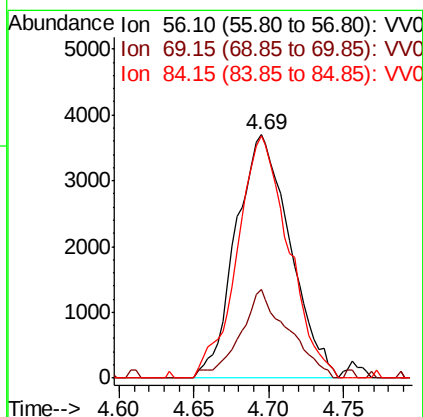
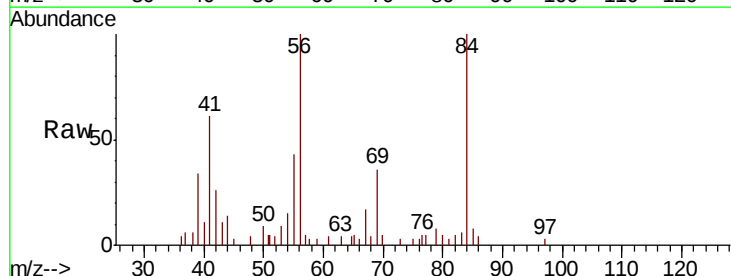
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.536

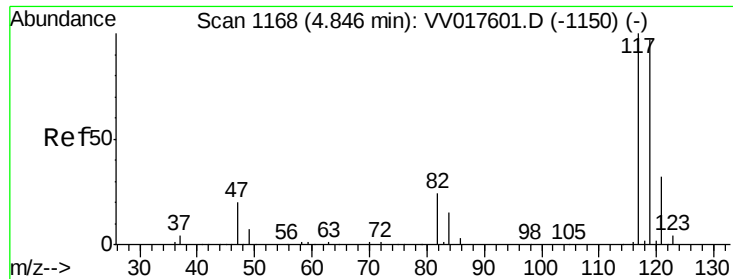
Tot Ion: 97 Resp: 11826
 Ion Ratio Lower Upper
 97 100
 99 64.1 50.6 76.0
 61 41.4 35.7 53.5



#30
 Cyclohexane
 Concen: 0.485 ug/L
 RT: 4.69 min Scan# 1121
 Delta R.T. -0.00 min
 Lab File: VV017599.D
 Acq: 23 Jul 2020 12:19

Tgt Ion: 56 Resp: 9321
 Ion Ratio Lower Upper
 56 100
 69 32.6 25.4 38.2
 84 94.1 73.0 109.4





#31

Carbon tetrachloride

Concen: 0.451 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.01 min

Lab File: VV017599.D

Acq: 23 Jul 2020 12:19

Instrument :

MSVOA_V

ClientSampleId :

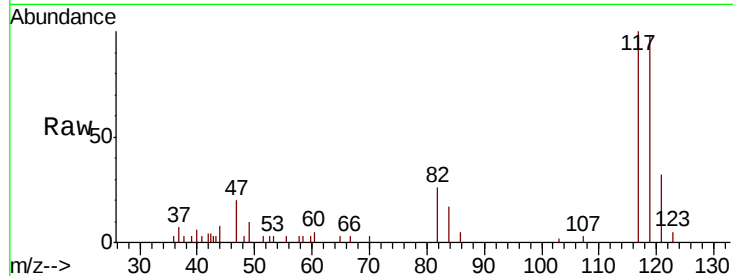
VSTD0.536

Tot Ion:117 Resp: 10278

Ion Ratio Lower Upper

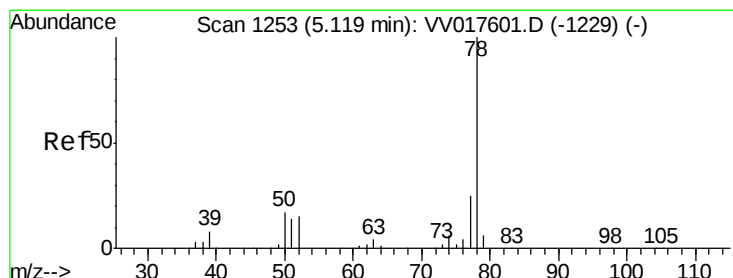
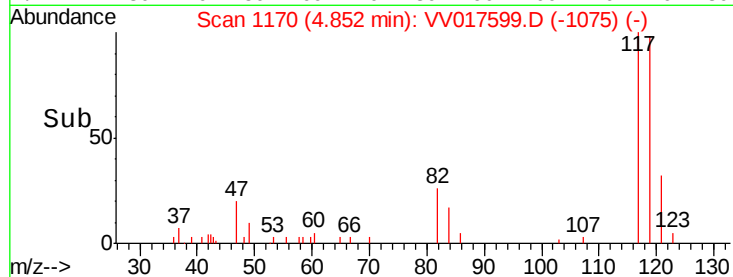
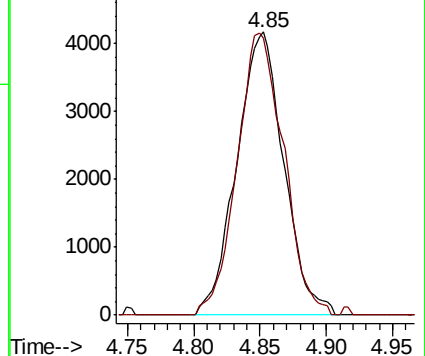
117 100

119 98.9 76.9 115.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.504 ug/L

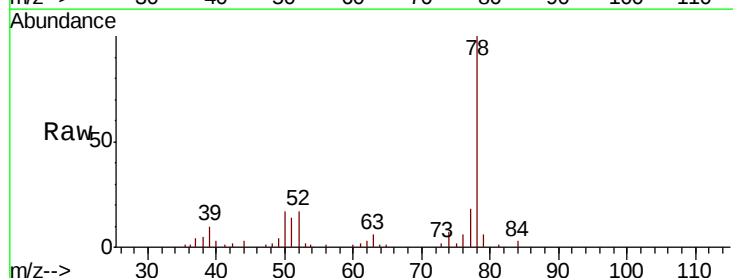
RT: 5.13 min Scan# 1255

Delta R.T. 0.01 min

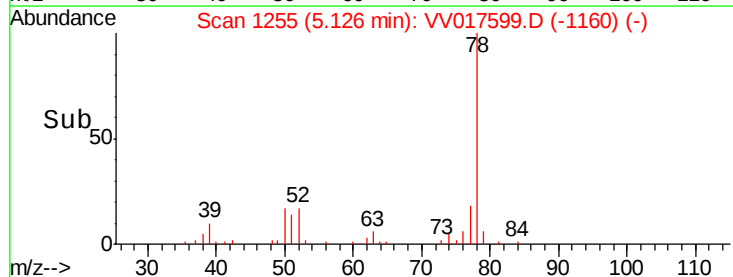
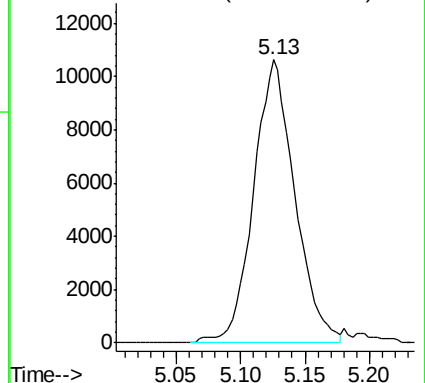
Lab File: VV017599.D

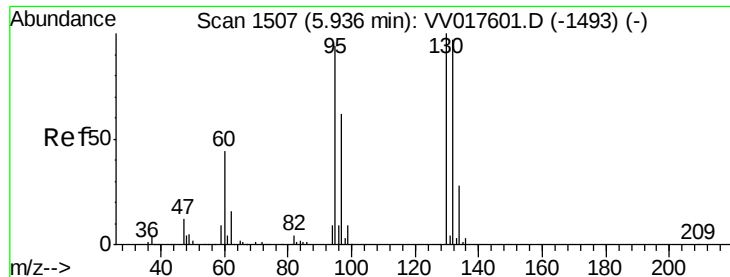
Acq: 23 Jul 2020 12:19

Tgt Ion: 78 Resp: 23747



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 0.485 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017599.D

Acq: 23 Jul 2020 12:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.536

Tot Ion: 95 Resp: 6877

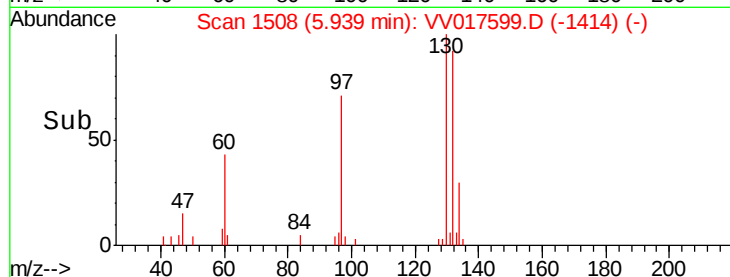
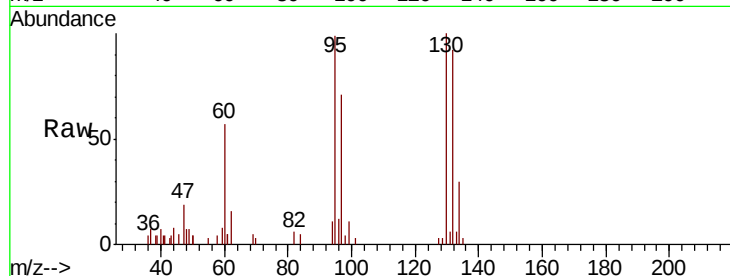
Ion Ratio Lower Upper

95 100

97 71.3 46.1 85.5

132 93.3 71.7 133.1

130 100.9 74.3 137.9

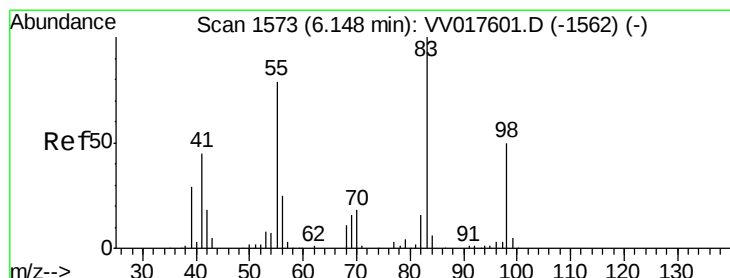
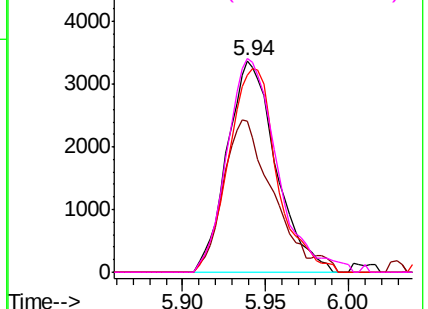


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 0.434 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.01 min

Lab File: VV017599.D

Acq: 23 Jul 2020 12:19

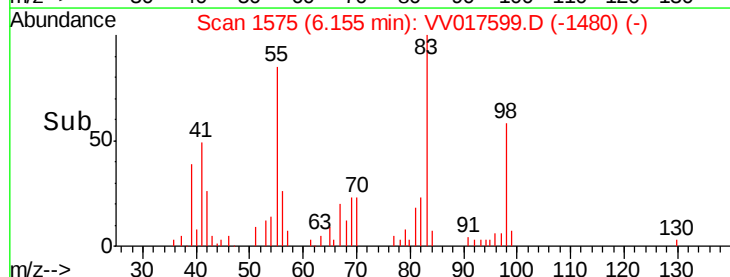
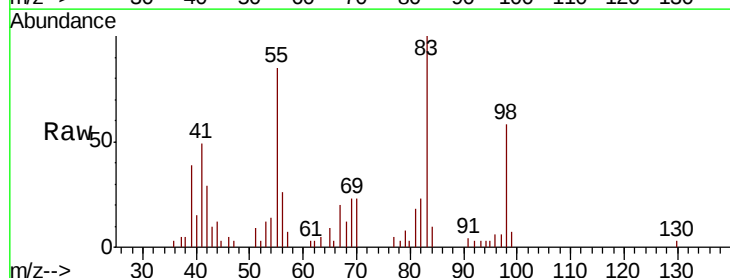
Tgt Ion: 83 Resp: 9222

Ion Ratio Lower Upper

83 100

55 81.9 61.8 92.8

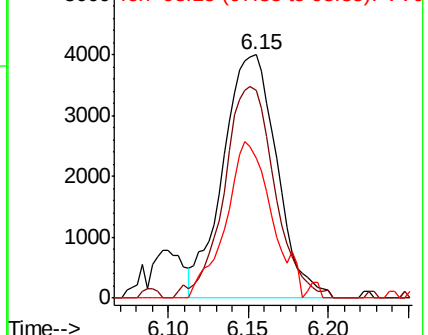
98 55.0 39.0 58.6

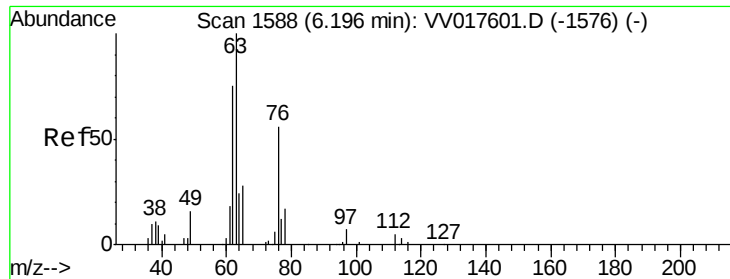


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.536 ug/L

RT: 6.20 min Scan# 1589

Delta R.T. 0.00 min

Lab File: VV017599.D

Acq: 23 Jul 2020 12:19

Instrument :

MSVOA_V

ClientSampleId :

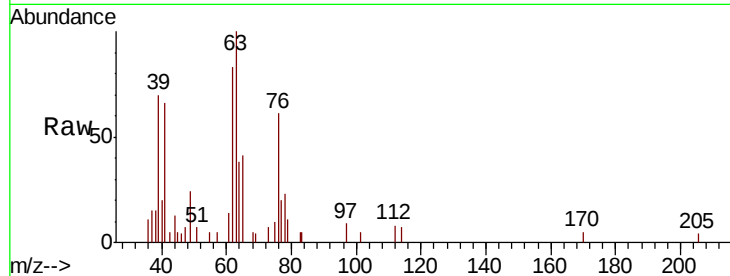
VSTD0.536

Tot Ion: 63 Resp: 5932

Ion Ratio Lower Upper

63 100

112 3.7 4.5 6.7#



Abundance Ion 63.10 (62.80 to 63.80): VV017601.D (-1576) (-)

Ion 112.10 (111.80 to 112.80): VV017601.D (-1576) (-)

6.20

2500

2000

1500

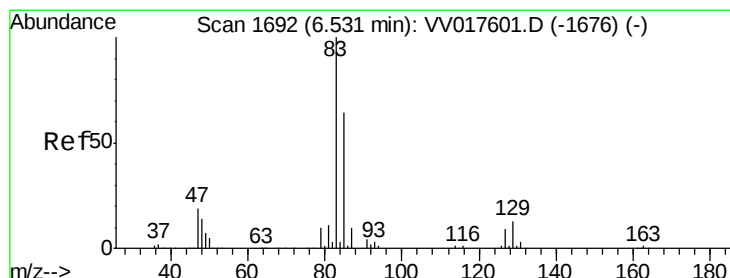
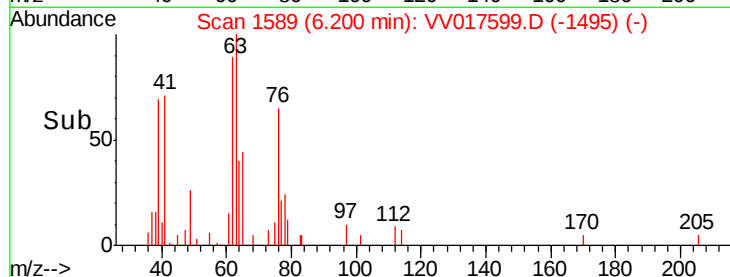
1000

500

0

6.10 6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 0.510 ug/L

RT: 6.54 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VV017599.D

Acq: 23 Jul 2020 12:19

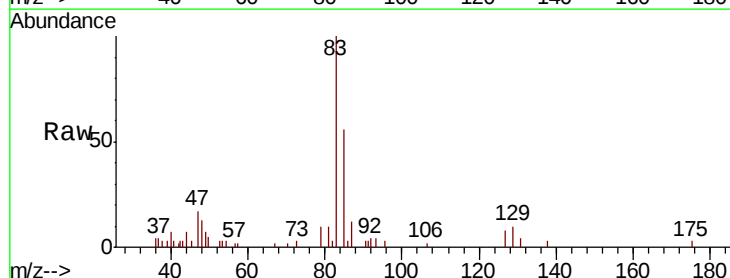
Tgt Ion: 83 Resp: 8539

Ion Ratio Lower Upper

83 100

85 56.1 44.7 83.1

127 7.6 7.4 11.0



Abundance Ion 82.95 (82.65 to 83.65): VV017601.D (-1676) (-)

Ion 85.00 (84.70 to 85.70): VV017601.D (-1676) (-)

Ion 126.90 (126.60 to 127.60): VV017601.D (-1676) (-)

6.54

6000

5000

4000

3000

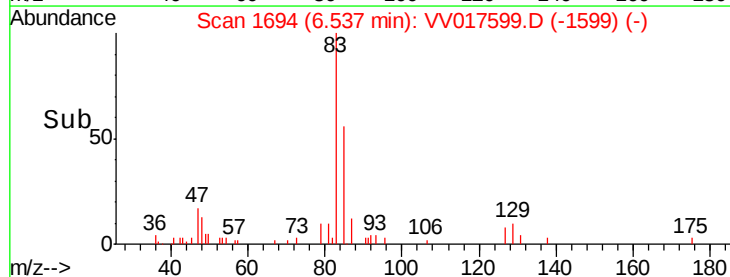
2000

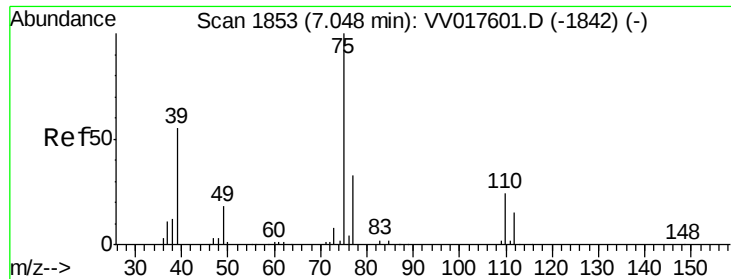
1000

0

6.45 6.50 6.55 6.60

Time-->

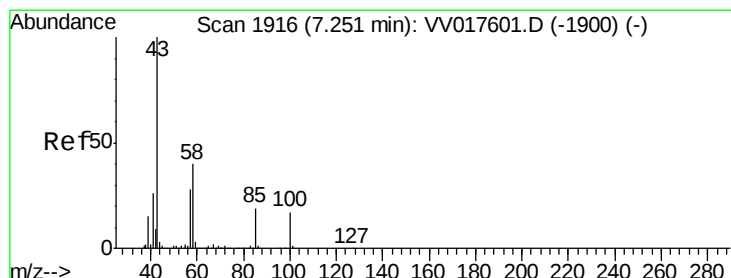
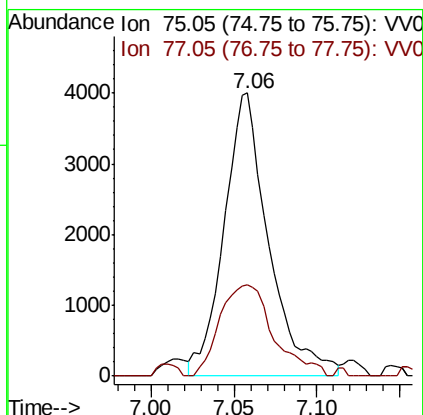
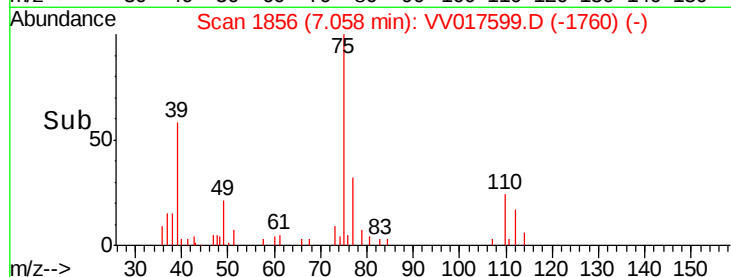
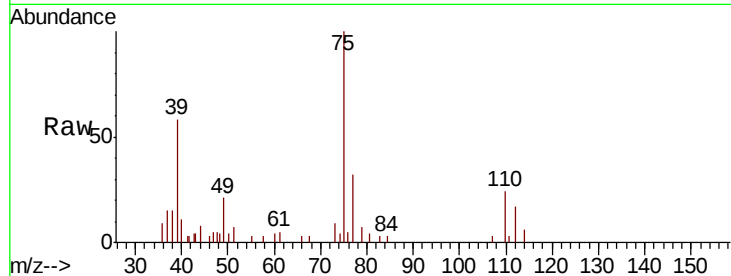




#39
 cis-1,3-Dichloropropene
 Concen: 0.432 ug/L
 RT: 7.06 min Scan# 1856
 Delta R.T. 0.01 min
 Lab File: VV017599.D
 Acq: 23 Jul 2020 12:19

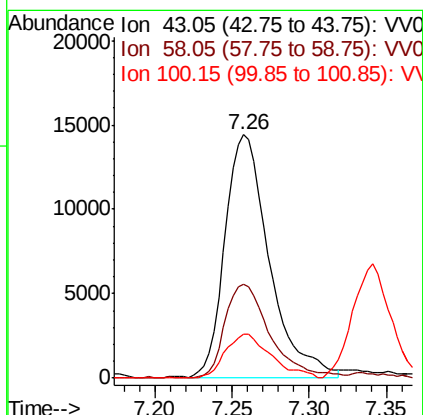
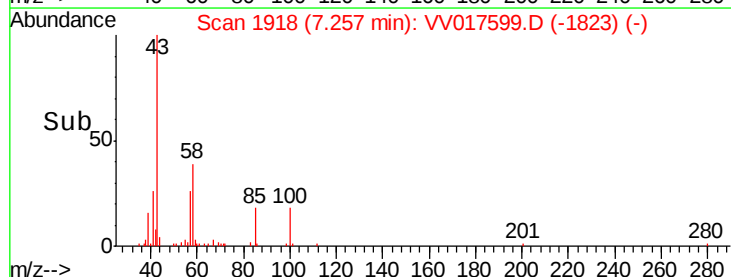
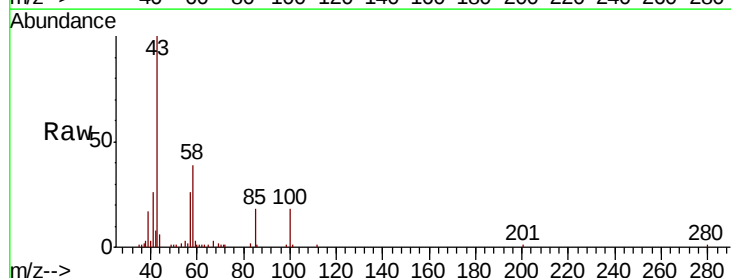
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.536

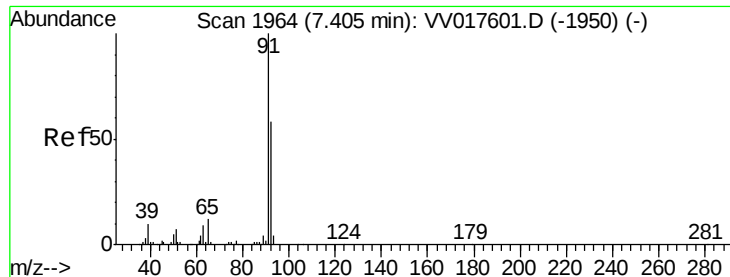
Tot Ion: 75 Resp: 7490
 Ion Ratio Lower Upper
 75 100
 77 32.1 23.2 43.2



#40
 4-Methyl-2-pentanone
 Concen: 4.894 ug/L
 RT: 7.26 min Scan# 1918
 Delta R.T. 0.01 min
 Lab File: VV017599.D
 Acq: 23 Jul 2020 12:19

Tgt Ion: 43 Resp: 28845
 Ion Ratio Lower Upper
 43 100
 58 39.4 31.2 46.8
 100 18.4 13.6 20.4





#42

Toluene

Concen: 0.491 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.01 min

Lab File: VV017599.D

Acq: 23 Jul 2020 12:19

Instrument :

MSVOA_V

ClientSampleId :

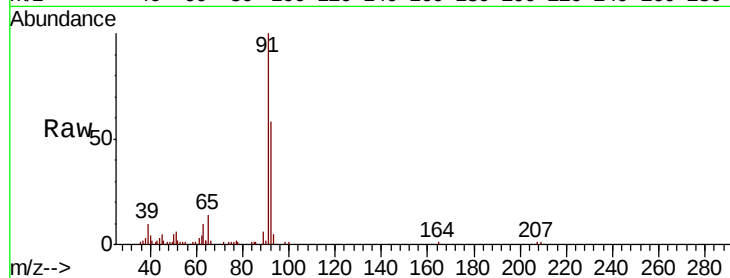
VSTD0.536

Tot Ion: 91 Resp: 25508

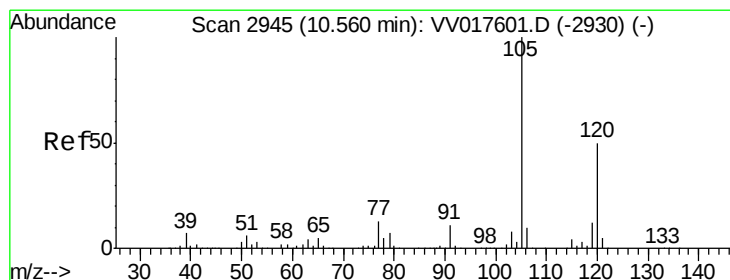
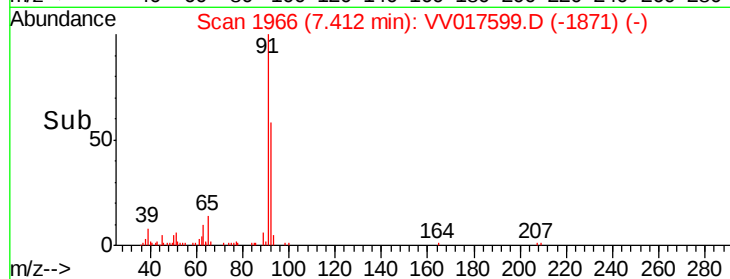
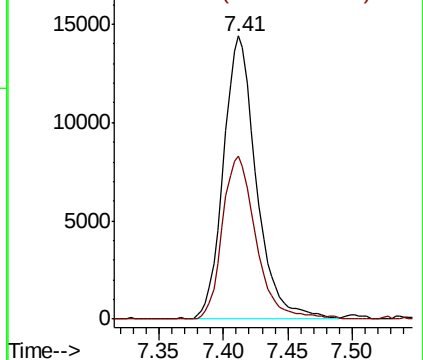
Ion Ratio Lower Upper

91 100

92 57.6 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV017601.D (-1950) (-)



#43

1,3,5-Trimethylbenzene

Concen: 0.400 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VV017599.D

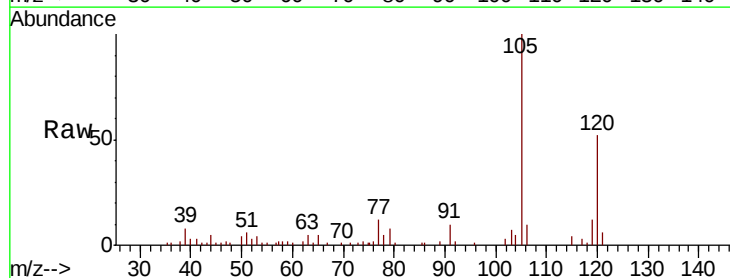
Acq: 23 Jul 2020 12:19

Tgt Ion: 105 Resp: 20402

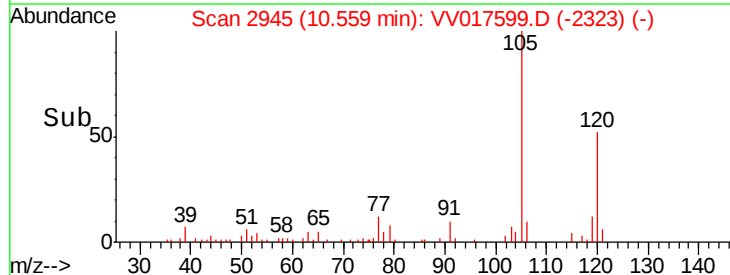
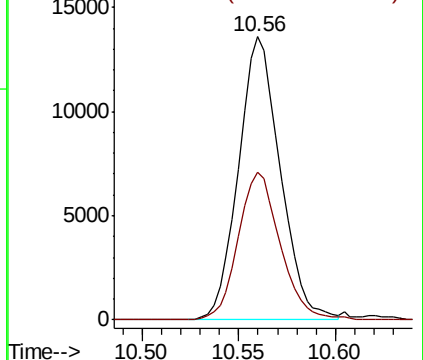
Ion Ratio Lower Upper

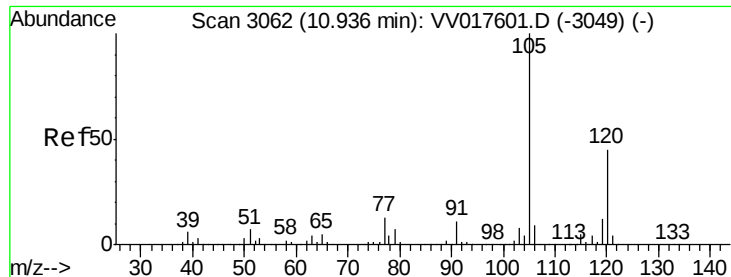
105 100

120 52.4 39.4 59.2



Abundance Ion 105.00 (104.70 to 105.70): VV017601.D (-2930) (-)

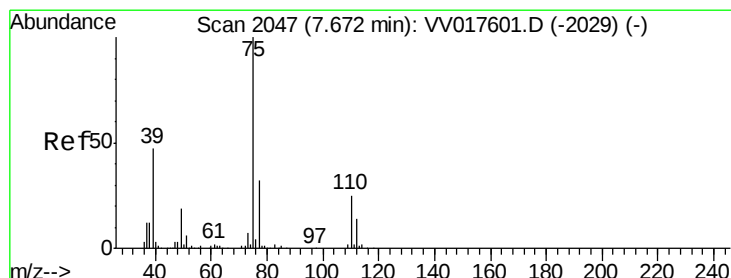
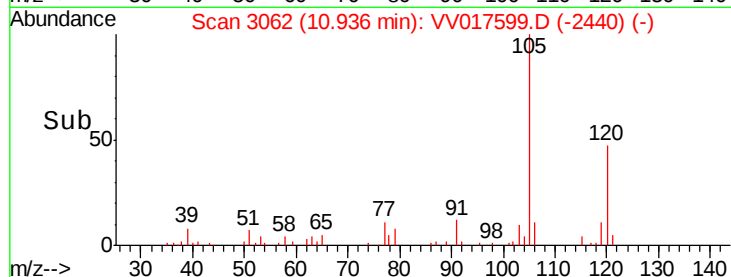
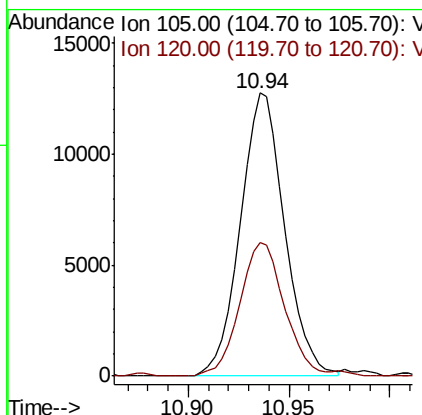
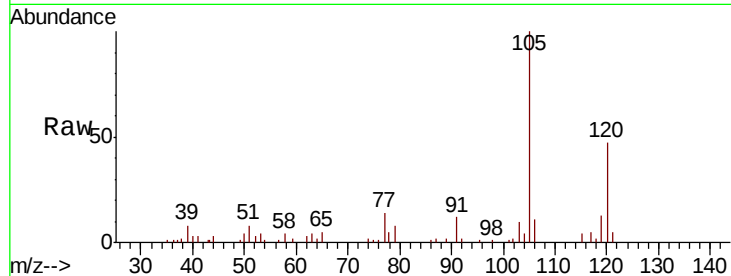




#44
 1,2,4-Trimethylbenzene
 Concen: 0.385 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV017599.D
 Acq: 23 Jul 2020 12:19

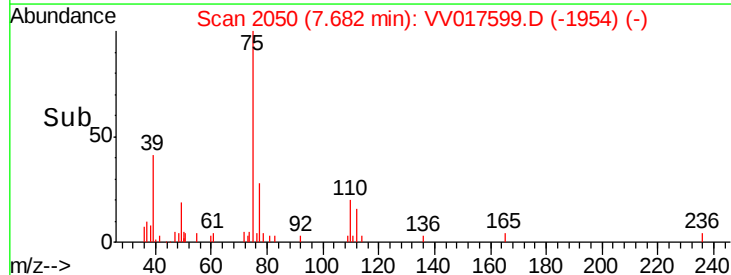
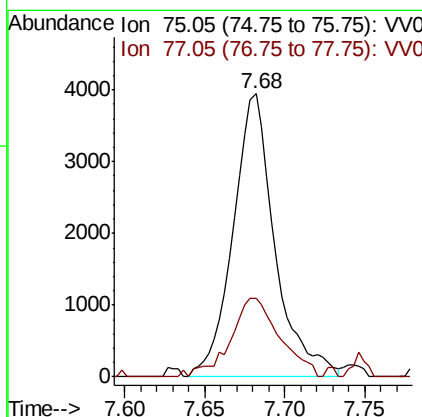
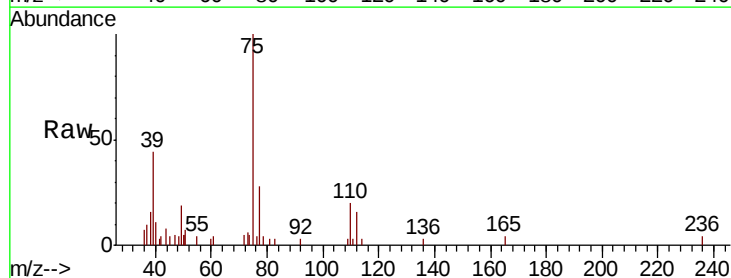
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.536

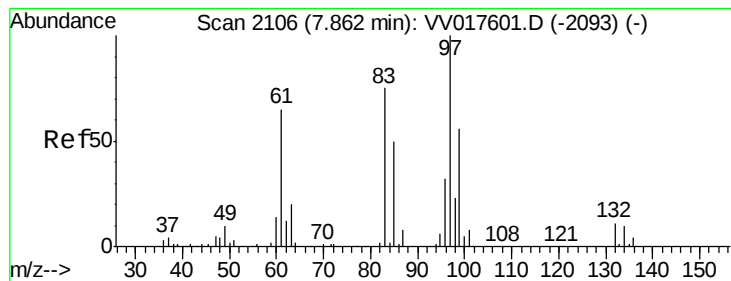
Tot Ion:105 Resp: 19618
 Ion Ratio Lower Upper
 105 100
 120 48.4 35.9 53.9



#46
 trans-1,3-Dichloropropene
 Concen: 0.458 ug/L
 RT: 7.68 min Scan# 2050
 Delta R.T. 0.01 min
 Lab File: VV017599.D
 Acq: 23 Jul 2020 12:19

Tgt Ion: 75 Resp: 7041
 Ion Ratio Lower Upper
 75 100
 77 27.9 22.5 41.7





#47

1,1,2-Trichloroethane

Concen: 0.514 ug/L

RT: 7.87 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VV017599.D

Acq: 23 Jul 2020 12:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.536

Tot Ion: 97 Resp: 4271

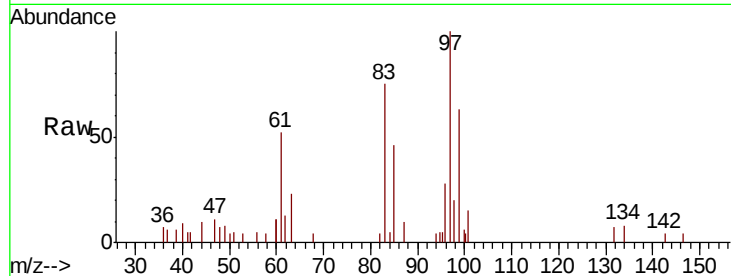
Ion Ratio Lower Upper

97 100

99 62.5 39.5 73.4

83 75.4 52.6 97.6

85 46.1 35.1 65.1



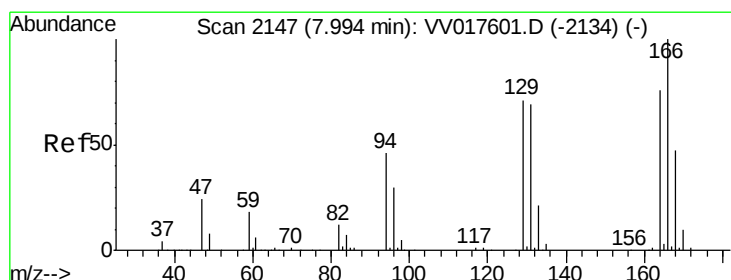
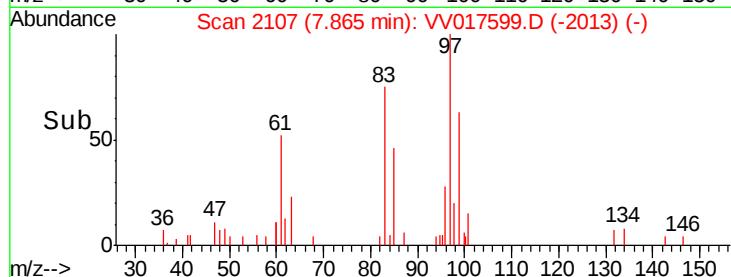
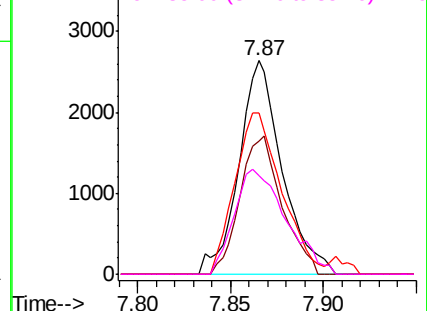
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#49

Tetrachloroethene

Concen: 0.507 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VV017599.D

Acq: 23 Jul 2020 12:19

Tgt Ion: 164 Resp: 6123

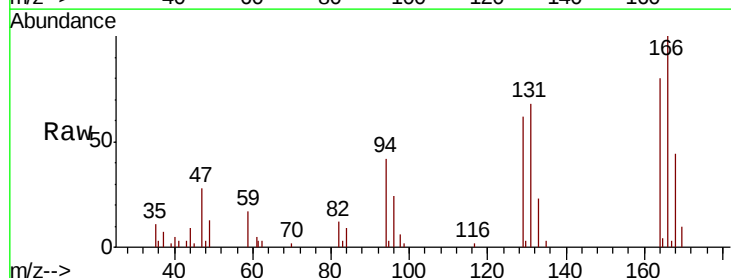
Ion Ratio Lower Upper

164 100

129 76.5 65.0 120.8

131 84.2 63.6 118.2

166 124.3 91.7 170.3



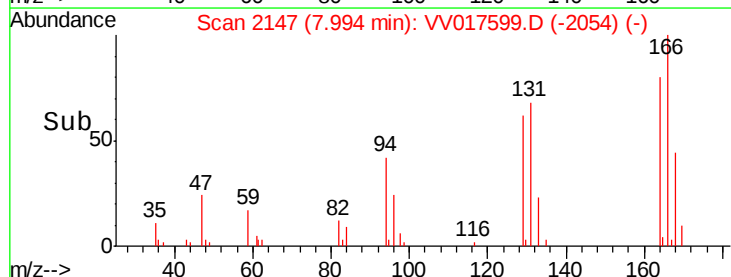
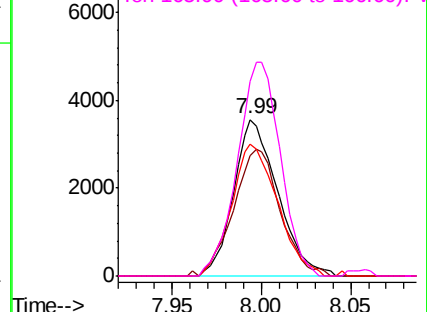
Abundance

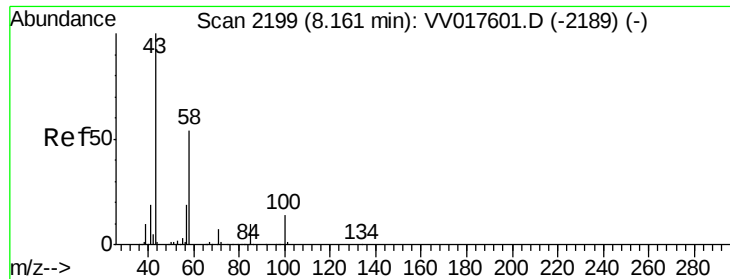
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

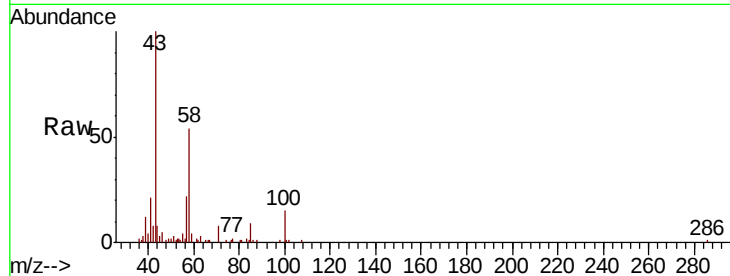




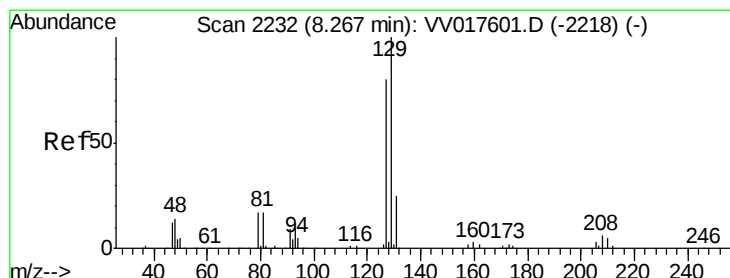
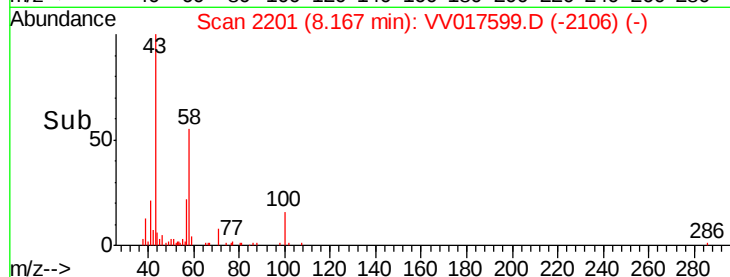
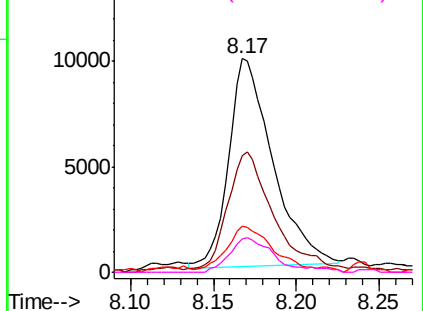
#50
2-Hexanone
Concen: 4.235 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.01 min
Lab File: VV017599.D
Acq: 23 Jul 2020 12:19

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.536

Tot Ion:	43	Resp:	18361
Ion	Ratio	Lower	Upper
43	100		
58	58.1	41.6	62.4
57	20.5	15.4	23.0
100	15.6	11.2	16.8

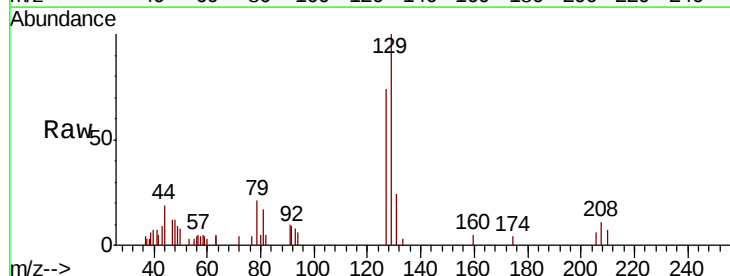


Abundance Ion 43.05 (42.75 to 43.75): VV017599.D (-2189) (-)
Ion 58.05 (57.75 to 58.75): VV017599.D (-2189) (-)
Ion 57.20 (56.90 to 57.90): VV017599.D (-2189) (-)
Ion 100.15 (99.85 to 100.85): VV017599.D (-2189) (-)

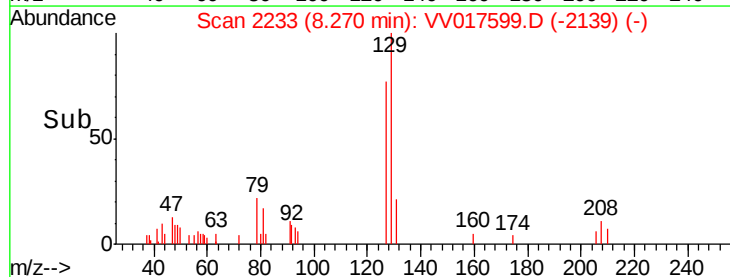
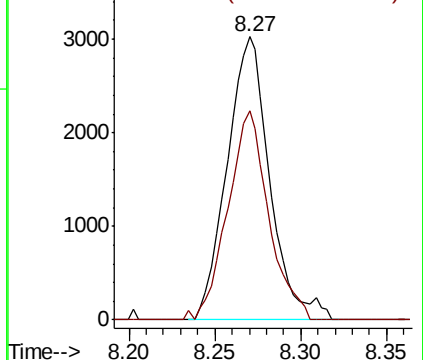


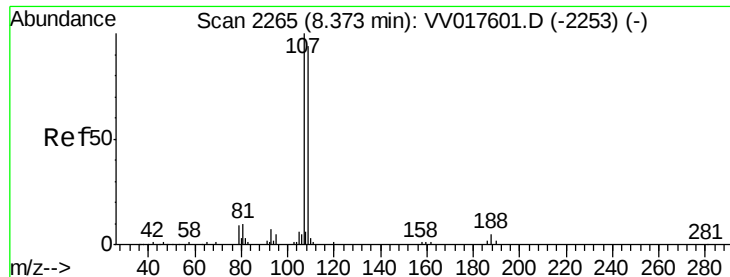
#51
Dibromochloromethane
Concen: 0.467 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV017599.D
Acq: 23 Jul 2020 12:19

Tgt Ion:	129	Resp:	5229
Ion	Ratio	Lower	Upper
129	100		
127	73.7	56.3	104.5



Abundance Ion 128.95 (128.65 to 129.65): VV017599.D (-2139) (-)
Ion 126.90 (126.60 to 127.60): VV017599.D (-2139) (-)

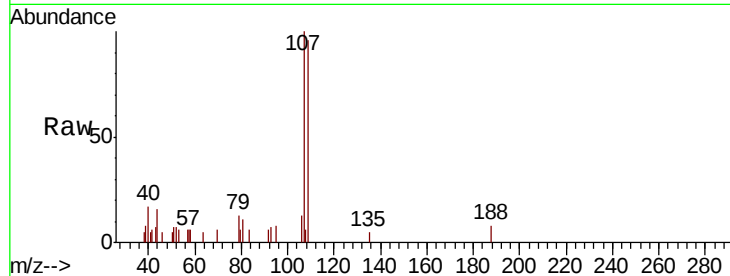




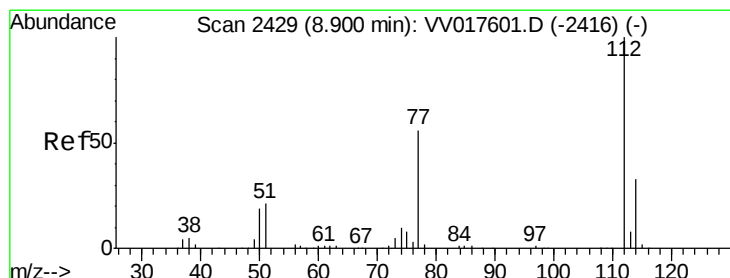
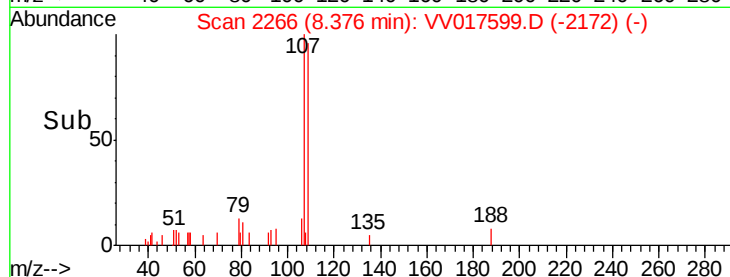
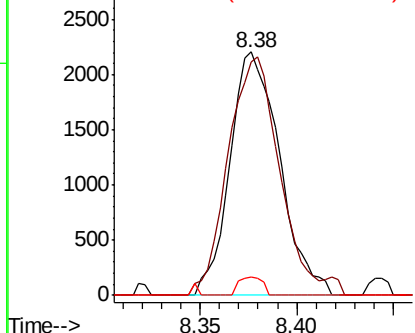
#52
 1,2-Dibromoethane
 Concen: 0.487 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. 0.00 min
 Lab File: VV017599.D
 Acq: 23 Jul 2020 12:19

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.536

Tot Ion:107 Resp: 3940
 Ion Ratio Lower Upper
 107 100
 109 95.6 65.5 121.7
 188 7.8 3.7 5.5#

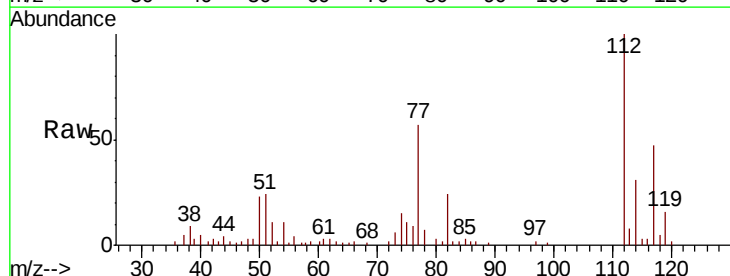


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

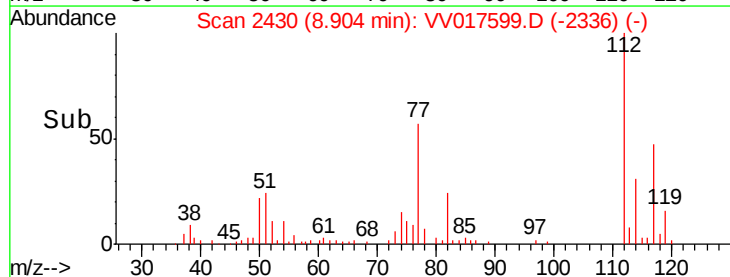
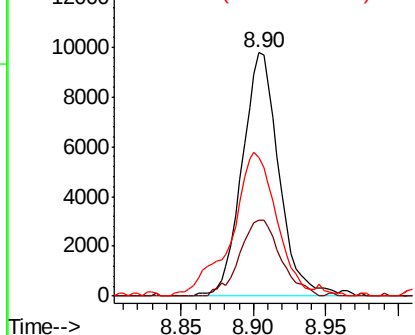


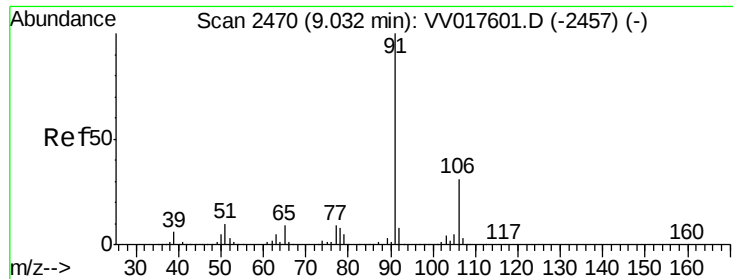
#53
 Chlorobenzene
 Concen: 0.497 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV017599.D
 Acq: 23 Jul 2020 12:19

Tgt Ion:112 Resp: 17261
 Ion Ratio Lower Upper
 112 100
 114 31.1 23.2 43.2
 77 57.2 45.6 68.4



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): VV0





#54

Ethylbenzene

Concen: 0.458 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV017599.D

Acq: 23 Jul 2020 12:19

Instrument :

MSVOA_V

ClientSampleId :

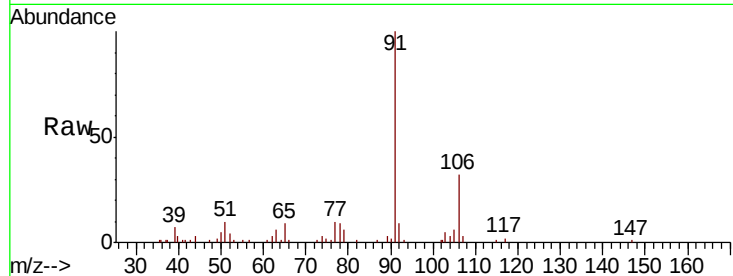
VSTD0.536

Tot Ion: 91 Resp: 27119

Ion Ratio Lower Upper

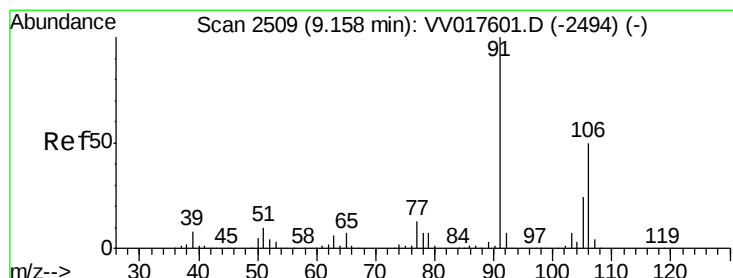
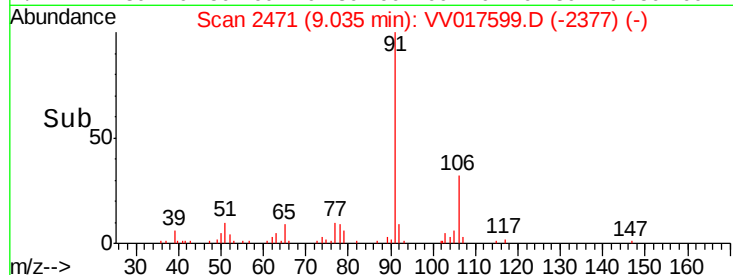
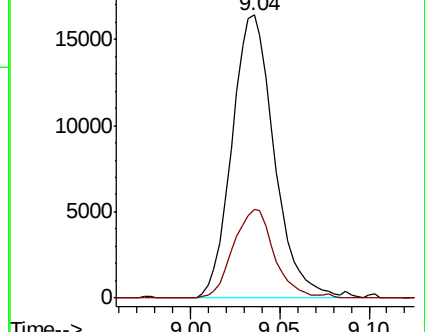
91 100

106 31.6 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): VV017601.D (-2457) (-)

Ion 106.15 (105.85 to 106.85): VV017601.D (-2457) (-)



#55

m,p-xylene

Concen: 0.447 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV017599.D

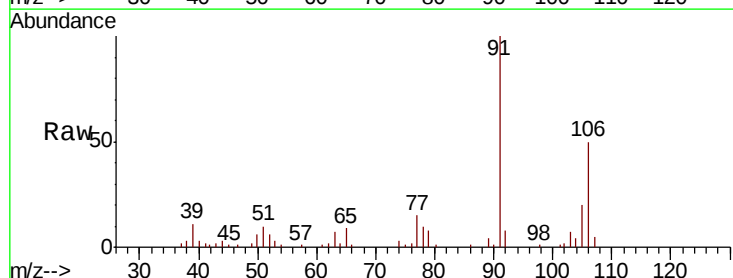
Acq: 23 Jul 2020 12:19

Tgt Ion: 106 Resp: 10017

Ion Ratio Lower Upper

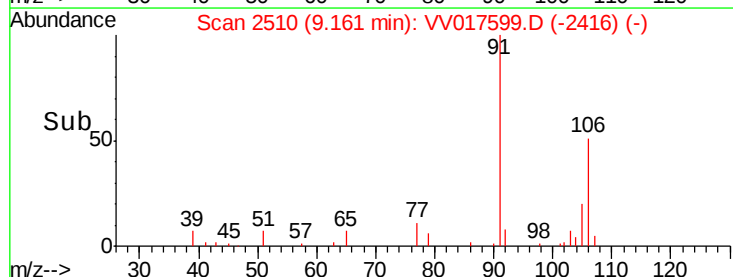
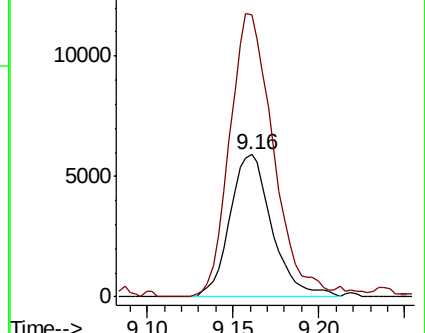
106 100

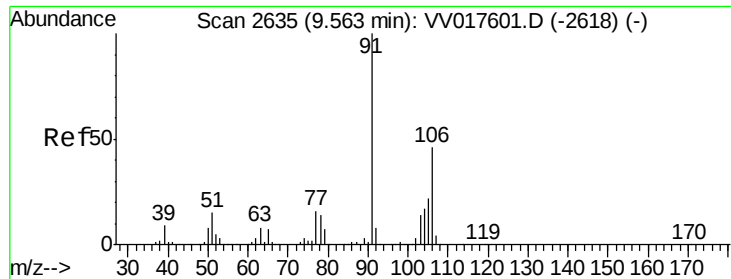
91 199.0 141.3 262.3



Abundance Ion 106.15 (105.85 to 106.85): VV017601.D (-2494) (-)

Ion 91.15 (90.85 to 91.85): VV017601.D (-2494) (-)

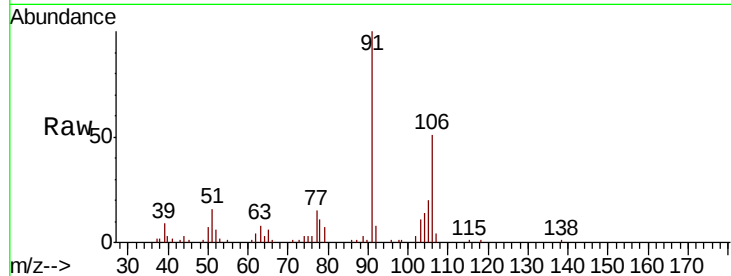




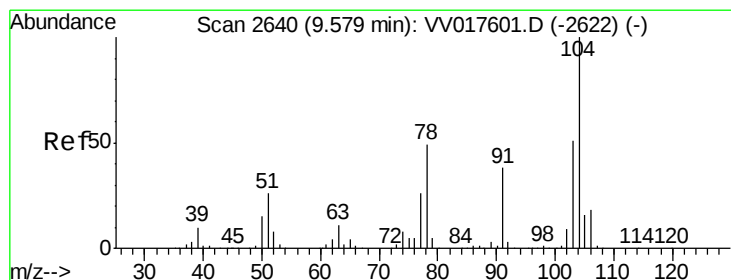
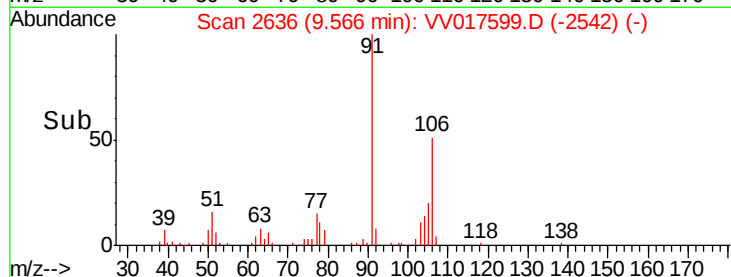
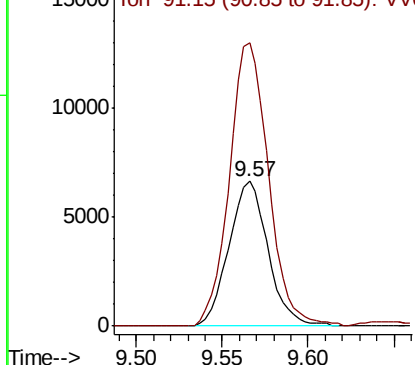
#56
o-xylene
Concen: 0.484 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV017599.D
Acq: 23 Jul 2020 12:19

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.536

Tot Ion:106 Resp: 10576
Ion Ratio Lower Upper
106 100
91 195.1 153.9 285.7

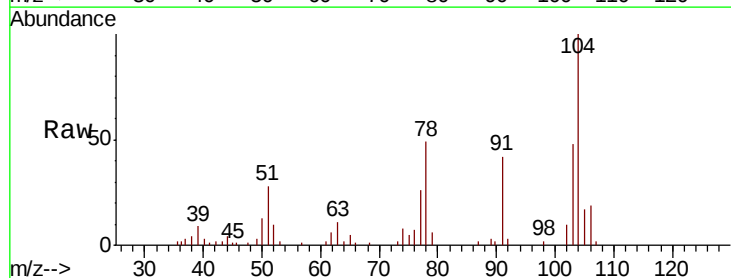


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

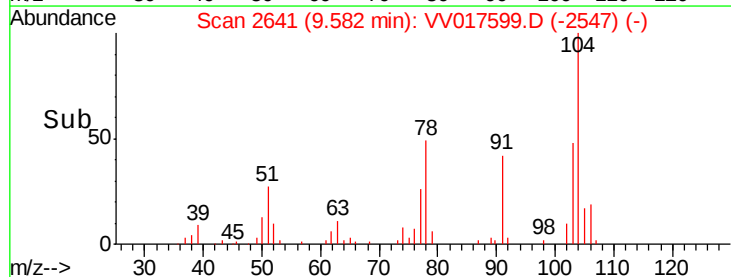
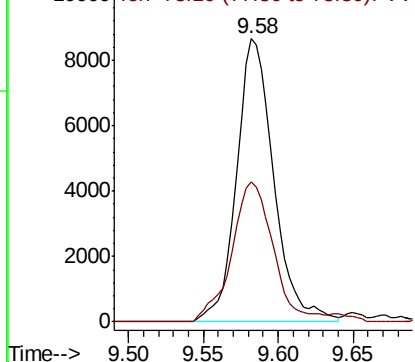


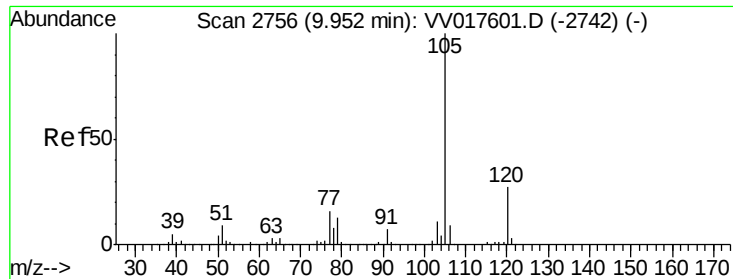
#57
Styrene
Concen: 0.411 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV017599.D
Acq: 23 Jul 2020 12:19

Tgt Ion:104 Resp: 15003
Ion Ratio Lower Upper
104 100
78 49.4 34.0 63.2



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





#58

Isopropylbenzene

Concen: 0.415 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017599.D

Acq: 23 Jul 2020 12:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.536

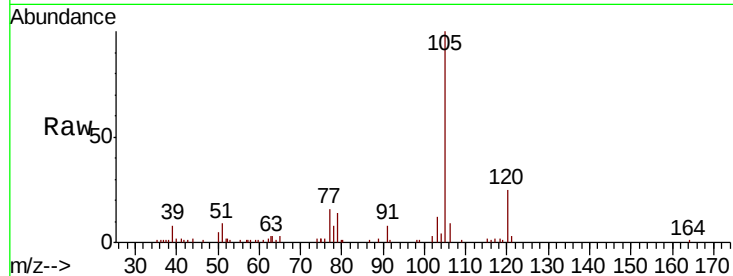
Tot Ion: 105 Resp: 25323

Ion Ratio Lower Upper

105 100

120 25.9 21.1 31.7

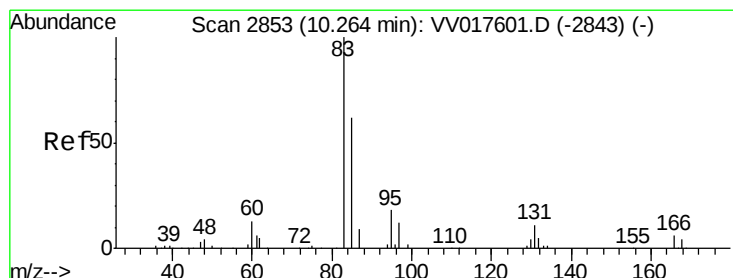
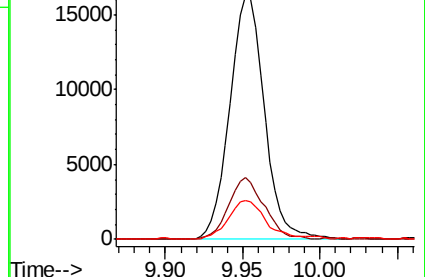
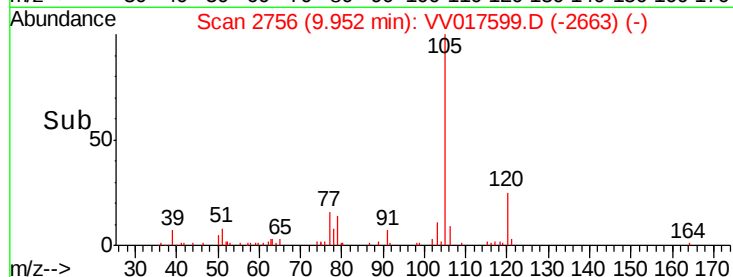
77 17.0 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#60

1,1,2,2-Tetrachloroethane

Concen: 0.594 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV017599.D

Acq: 23 Jul 2020 12:19

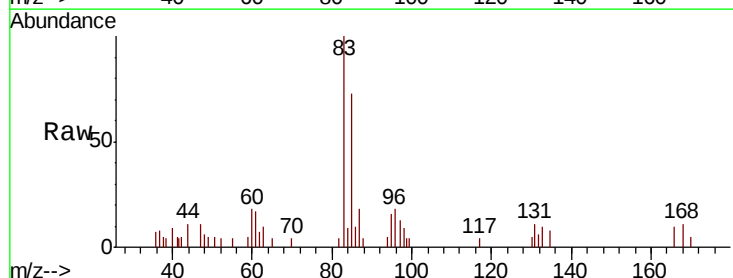
Tgt Ion: 83 Resp: 5061

Ion Ratio Lower Upper

83 100

85 72.9 44.4 82.5

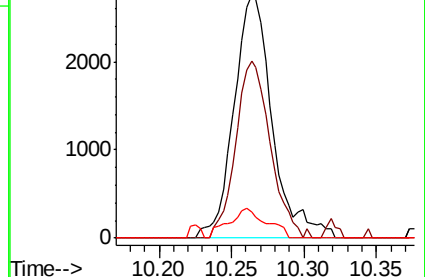
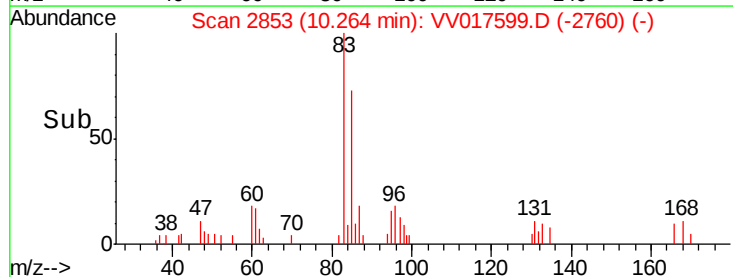
131 10.9 9.2 13.8

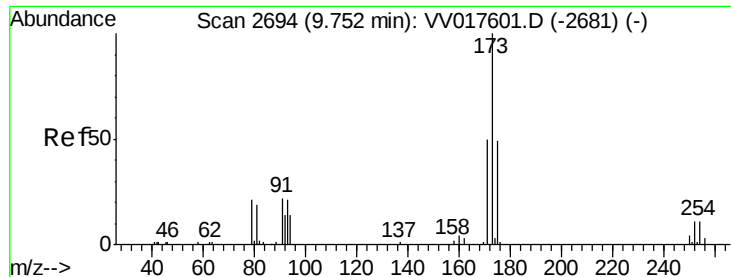


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 0.477 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV017599.D

Acq: 23 Jul 2020 12:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.536

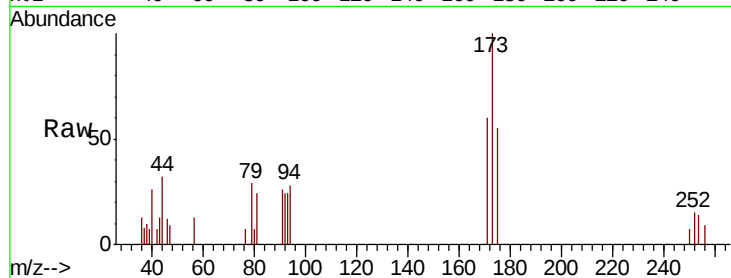
Tot Ion:173 Resp: 2852

Ion Ratio Lower Upper

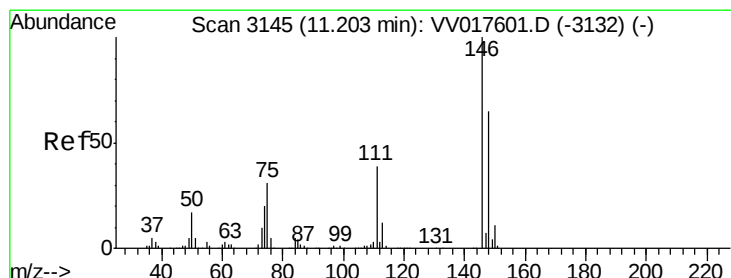
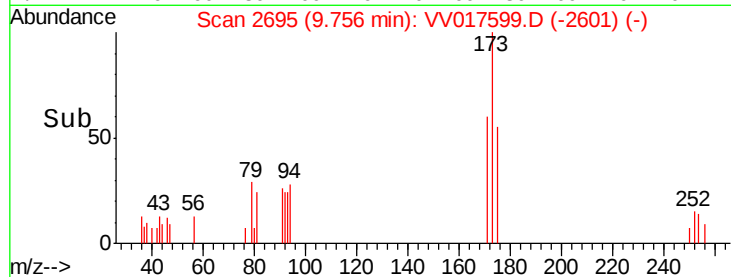
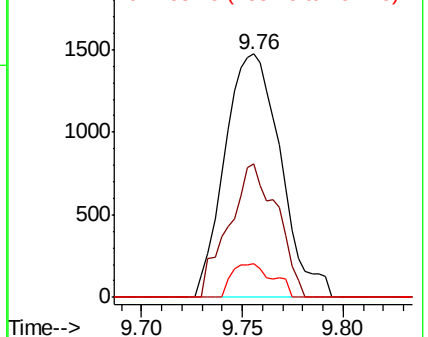
173 100

175 47.5 39.6 59.4

254 10.3 8.4 12.6



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



#63

1,3-Dichlorobenzene

Concen: 0.487 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV017599.D

Acq: 23 Jul 2020 12:19

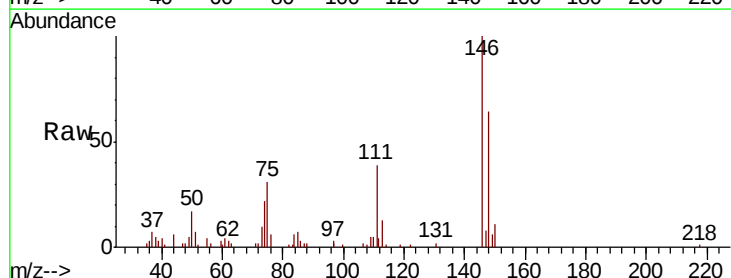
Tgt Ion:146 Resp: 13948

Ion Ratio Lower Upper

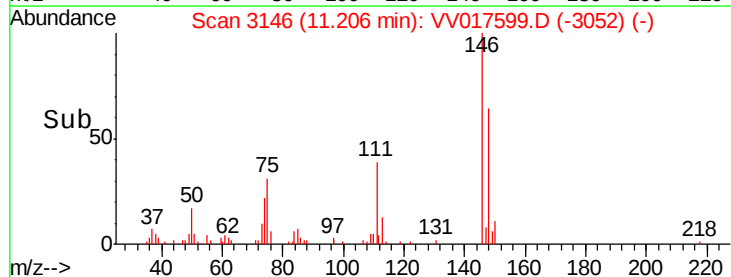
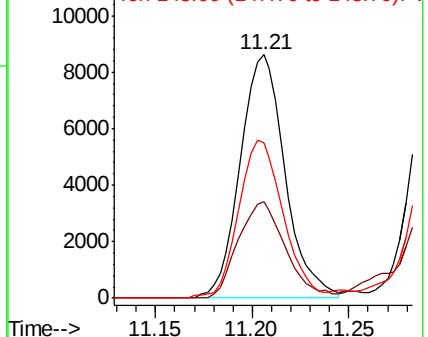
146 100

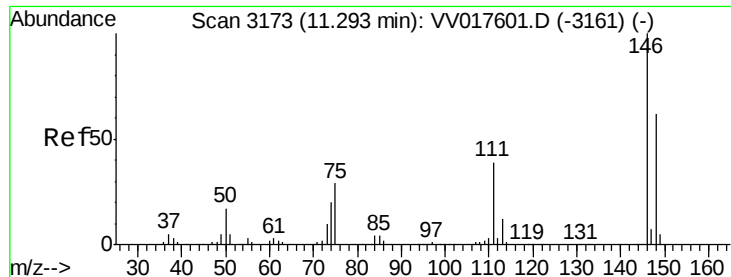
111 39.4 27.3 50.7

148 64.0 45.6 84.6



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 0.516 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV017599.D

Acq: 23 Jul 2020 12:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.536

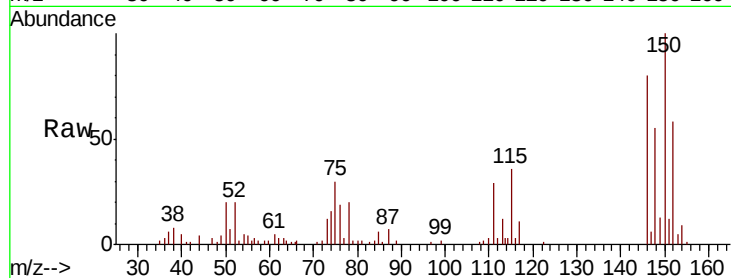
Tot Ion:146 Resp: 14693

Ion Ratio Lower Upper

146 100

111 36.2 27.4 51.0

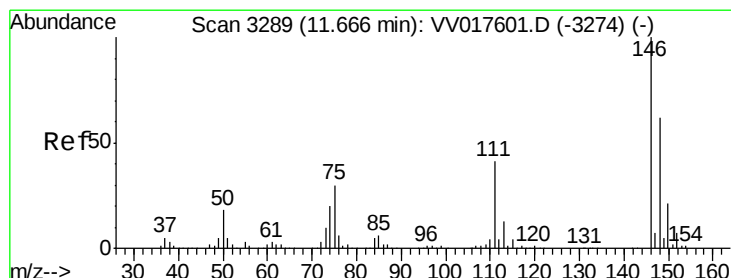
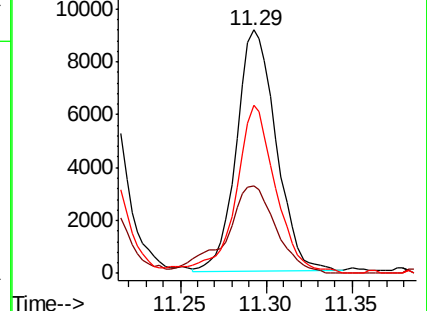
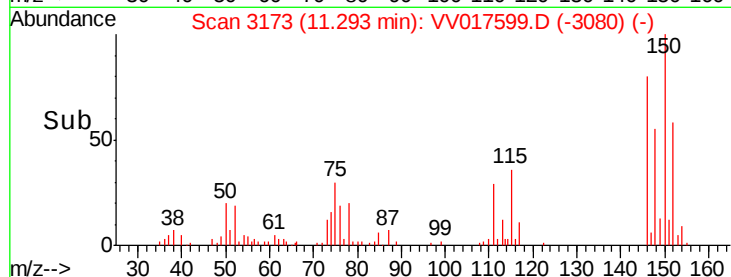
148 68.9 43.8 81.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dichlorobenzene

Concen: 0.514 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV017599.D

Acq: 23 Jul 2020 12:19

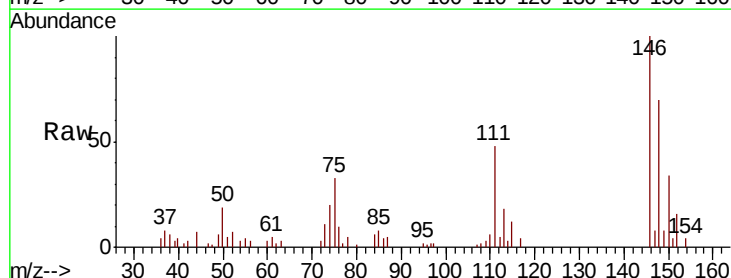
Tgt Ion:146 Resp: 13408

Ion Ratio Lower Upper

146 100

111 48.1 33.0 49.4

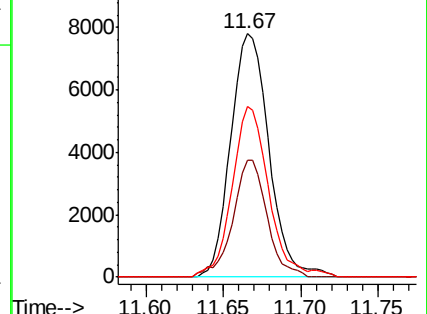
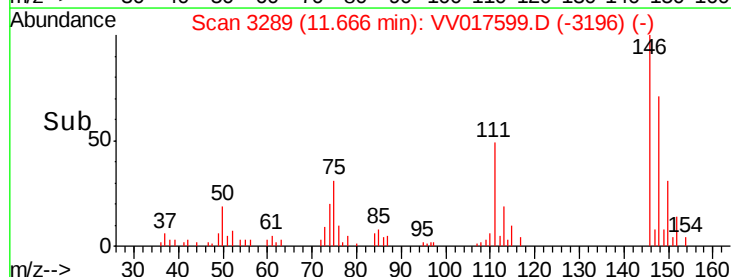
148 70.3 49.9 74.9

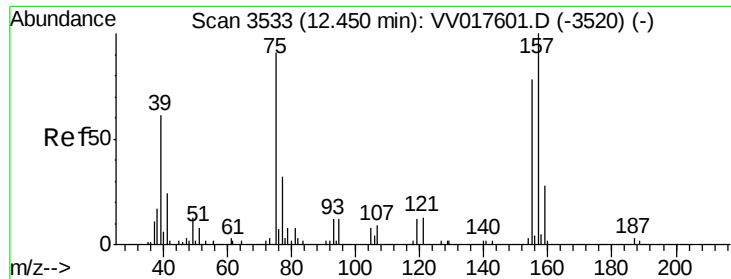


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#67

1,2-Dibromo-3-chloropropane

Concen: 0.662 ug/L

RT: 12.46 min Scan# 3536

Delta R.T. 0.01 min

Lab File: VV017599.D

Acq: 23 Jul 2020 12:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.536

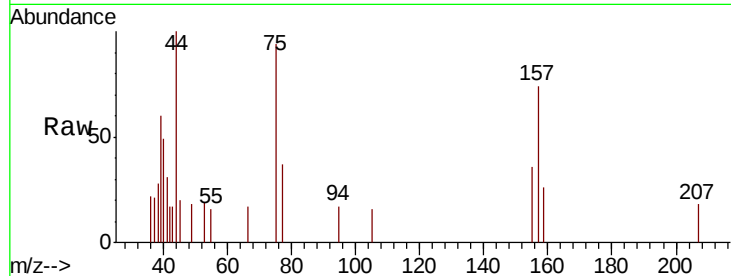
Tot Ion: 75 Resp: 1081

Ion Ratio Lower Upper

75 100

155 37.7 68.7 103.1#

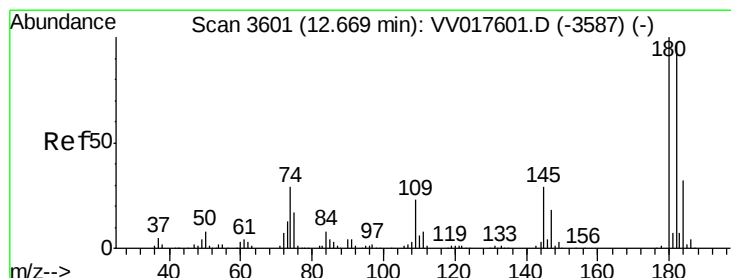
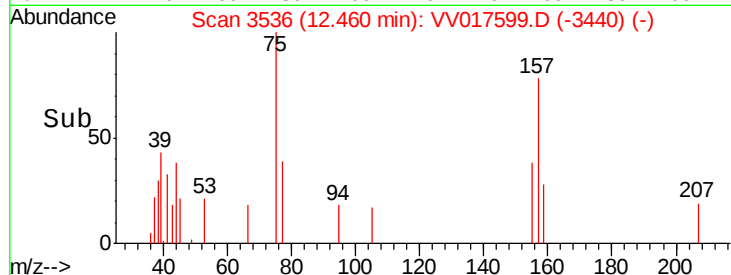
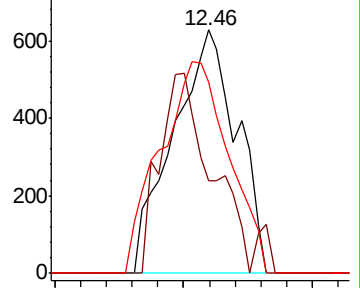
157 78.3 87.8 131.8#



Abundance Ion 75.05 (74.75 to 75.75): VV017599.D (-3440) (-)

Ion 154.95 (154.65 to 155.65): VV017599.D (-3440) (-)

Ion 156.90 (156.60 to 157.60): VV017599.D (-3440) (-)



#68

1,3,5-Trichlorobenzene

Concen: 0.535 ug/L

RT: 12.67 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VV017599.D

Acq: 23 Jul 2020 12:19

Tgt Ion: 180 Resp: 12413

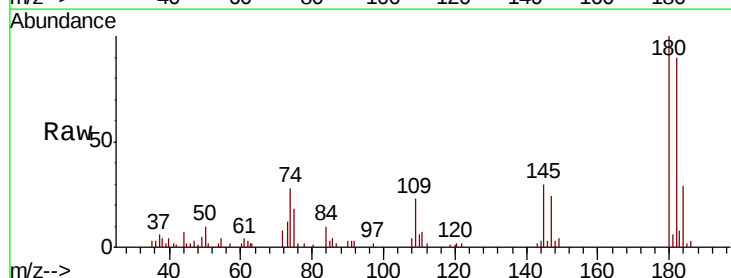
Ion Ratio Lower Upper

180 100

182 88.8 77.1 115.7

184 28.6 25.2 37.8

145 26.9 24.1 36.1

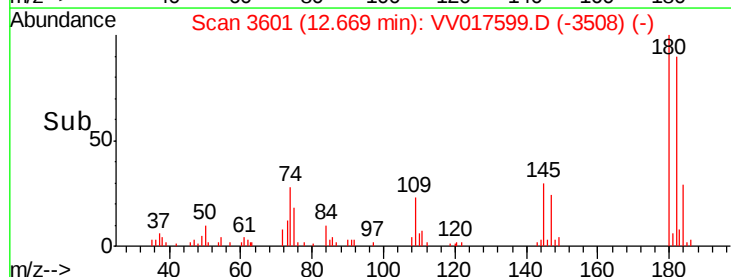
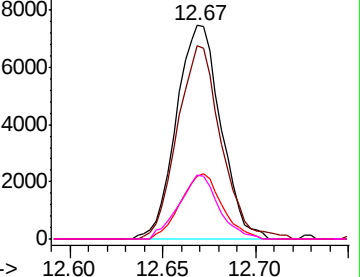


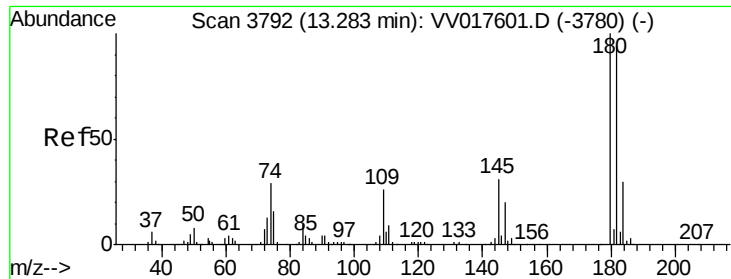
Abundance Ion 180.00 (179.70 to 180.70): VV017599.D (-3508) (-)

Ion 182.00 (181.70 to 182.70): VV017599.D (-3508) (-)

Ion 184.00 (183.70 to 184.70): VV017599.D (-3508) (-)

Ion 145.00 (144.70 to 145.70): VV017599.D (-3508) (-)

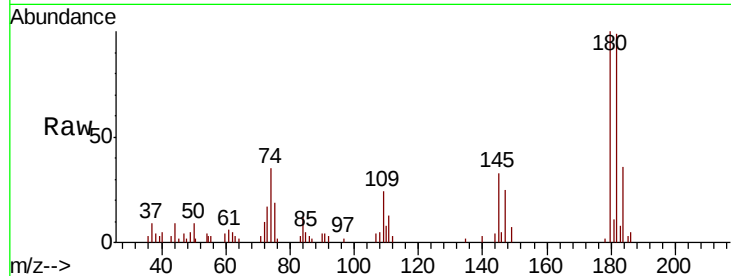




#69
 1,2,4-trichlorobenzene
 Concen: 0.474 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV017599.D
 Acq: 23 Jul 2020 12:19

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.536

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.5	75.4	113.2
145	34.0	24.2	36.2

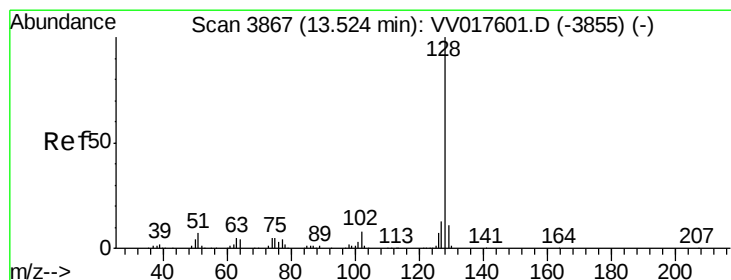
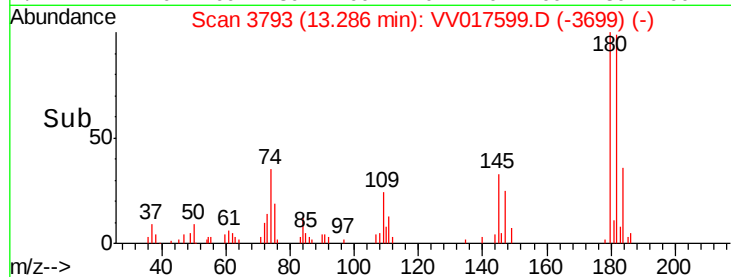
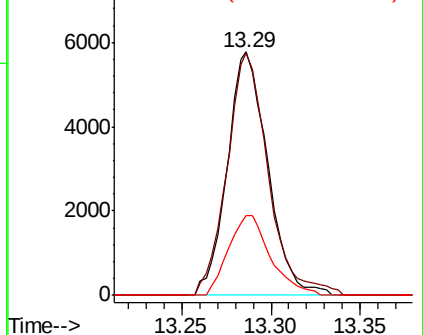


Abundance

Ion 179.90 (179.60 to 180.60): V

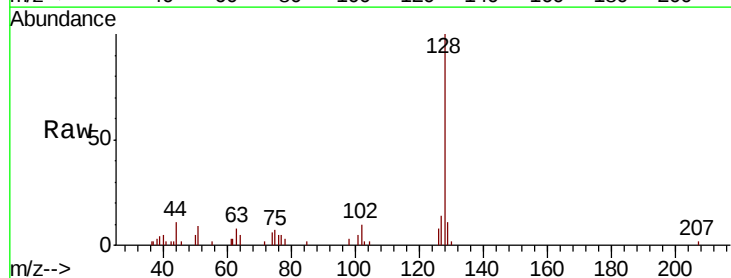
Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V



#70
 Naphthalene
 Concen: 0.422 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. 0.00 min
 Lab File: VV017599.D
 Acq: 23 Jul 2020 12:19

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.1	13.7
127	12.6	11.0	16.6

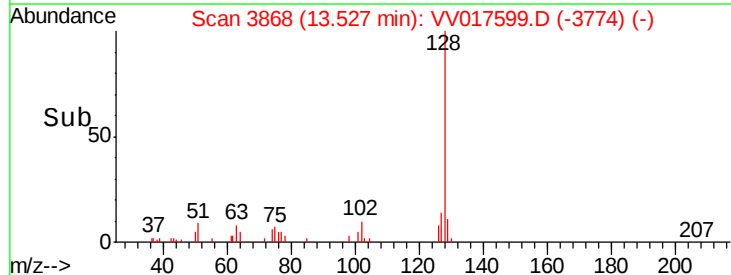
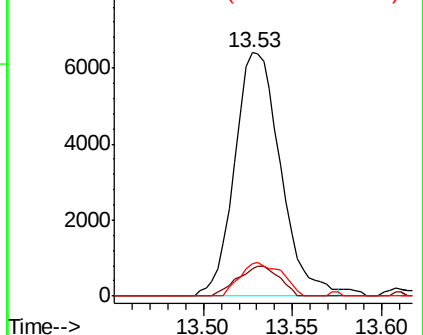


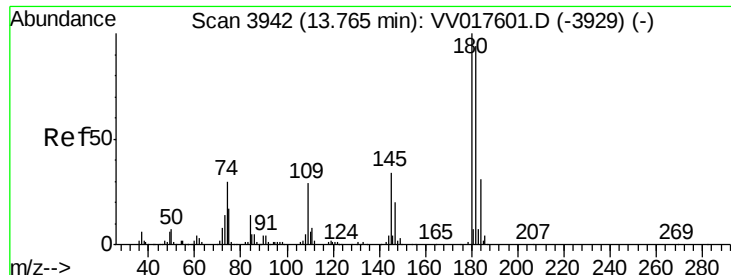
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#71
 1,2,3-Trichlorobenzene
 Concen: 0.468 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV017599.D
 Acq: 23 Jul 2020 12:19

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.536

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.5	74.2	111.4
145	31.3	26.0	39.0

