

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072320\
 Data File : VV017600.D
 Acq On : 23 Jul 2020 12:49
 Operator : SY/MD
 Sample : VSTD00131
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00131

Quant Time: Jul 24 01:05:48 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	200353	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	188139	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	102114	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	9229	0.83	ug/L	0.00
7) Chloroethane-d5	1.58	69	6591	0.74	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	20454	0.83	ug/L	0.00
20) 2-Butanone-d5	3.96	46	9383	3.98	ug/L	0.02
24) Chloroform-d	4.38	84	21125	0.83	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	11732	0.88	ug/L	0.00
32) Benzene-d6	5.07	84	39152	0.93	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	11063	0.94	ug/L	0.00
41) Toluene-d8	7.34	98	36122	0.88	ug/L	0.00
45) trans-1,3-Dichloropropene-	7.65	79	4795	0.85	ug/L	0.00
48) 2-Hexanone-d5	8.12	63	12557	7.40	ug/L	0.00
59) 1,1,2,2-Tetrachloroethane-	10.24	84	7480	0.89	ug/L	0.00
65) 1,2-Dichlorobenzene-d4	11.65	152	14166	0.84	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	22748	0.971 ug/L	96
3) Chloromethane	1.24	50	14607	0.927 ug/L	95
5) Vinyl chloride	1.32	62	14256	0.901 ug/L	99
6) Bromomethane	1.53	94	9530	0.985 ug/L	97
8) Chloroethane	1.59	64	8726	0.955 ug/L	96
9) Trichlorofluoromethane	1.76	101	26186	0.907 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	12022	0.895 ug/L	98
12) 1,1-Dichloroethene	2.13	96	10977	0.924 ug/L	97
13) Acetone	2.46	43	3032	1.704 ug/L	88
14) Carbon disulfide	2.31	76	32006	0.881 ug/L #	94
15) Methyl Acetate	2.46	43	3032	0.856 ug/L	95
16) Methylene chloride	2.52	84	12446	0.871 ug/L	93
17) Methyl tert-butyl Ether	2.79	73	26379	0.887 ug/L	95
18) trans-1,2-Dichloroethene	2.77	96	11780	0.930 ug/L	88
19) 1,1-Dichloroethane	3.21	63	23841	0.957 ug/L	99
21) 2-Butanone	4.04	43	23361	8.403 ug/L	82
22) cis-1,2-Dichloroethene	3.93	96	15034	1.056 ug/L	84
23) Bromochloromethane	4.27	128	7107	1.115 ug/L	91
25) Chloroform	4.40	83	28292	1.046 ug/L	87
27) 1,2-Dichloroethane	5.16	62	17411	0.983 ug/L #	94
29) 1,1,1-Trichloroethane	4.63	97	26561	1.011 ug/L	96
30) Cyclohexane	4.69	56	20967	1.027 ug/L	99
31) Carbon tetrachloride	4.85	117	23650	0.978 ug/L	100
33) Benzene	5.12	78	52167	1.041 ug/L	100
34) Trichloroethene	5.94	95	15334	1.019 ug/L	95
35) Methylcyclohexane	6.15	83	21834	0.968 ug/L	96
37) 1,2-Dichloropropane	6.20	63	12335	1.049 ug/L	98
38) Bromodichloromethane	6.53	83	18645	1.048 ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	16892	0.918 ug/L	91
40) 4-Methyl-2-pentanone	7.25	43	63437	10.133 ug/L	97

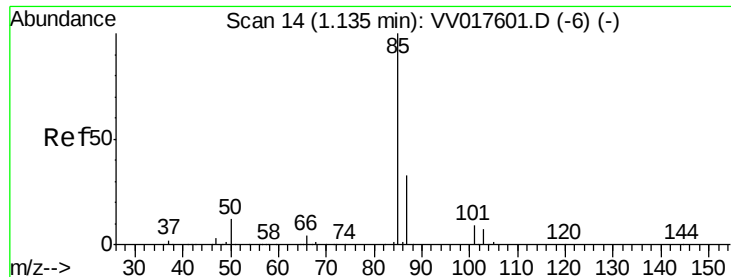
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072320\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	58169	1.054	ug/L	97
43) 1,3,5-Trimethylbenzene	10.56	105	48738	0.899	ug/L	98
44) 1,2,4-Trimethylbenzene	10.94	105	49655	0.916	ug/L	98
46) trans-1,3-Dichloropropene	7.68	75	15801	0.968	ug/L	99
47) 1,1,2-Trichloroethane	7.86	97	9455	1.072	ug/L	91
49) Tetrachloroethene	7.99	164	13226	1.030	ug/L	97
50) 2-Hexanone	8.17	43	45899	9.967	ug/L	98
51) Dibromochloromethane	8.27	129	11406	0.959	ug/L	93
52) 1,2-Dibromoethane	8.38	107	8930	1.039	ug/L	93
53) Chlorobenzene	8.90	112	39112	1.060	ug/L	98
54) Ethylbenzene	9.03	91	62524	0.995	ug/L	96
55) m,p-xylene	9.16	106	22918	0.962	ug/L	92
56) o-xylene	9.56	106	23067	0.995	ug/L	91
57) Styrene	9.58	104	37302	0.963	ug/L	97
58) Isopropylbenzene	9.95	105	62884	0.971	ug/L	99
60) 1,1,2,2-Tetrachloroethane	10.26	83	10121	1.118	ug/L	96
62) Bromoform	9.75	173	6048	0.907	ug/L	97
63) 1,3-Dichlorobenzene	11.20	146	32689	1.024	ug/L	95
64) 1,4-Dichlorobenzene	11.29	146	33368	1.051	ug/L	97
66) 1,2-Dichlorobenzene	11.67	146	29729	1.021	ug/L	97
67) 1,2-Dibromo-3-chloropropan	12.45	75	1750	0.961	ug/L	91
68) 1,3,5-Trichlorobenzene	12.67	180	25718	0.993	ug/L	97
69) 1,2,4-trichlorobenzene	13.29	180	20914	0.973	ug/L	98
70) Naphthalene	13.53	128	26370	0.866	ug/L	98
71) 1,2,3-Trichlorobenzene	13.77	180	18556	0.999	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 0.971 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017600.D

Acq: 23 Jul 2020 12:49

Instrument :

MSVOA_V

ClientSampleId :

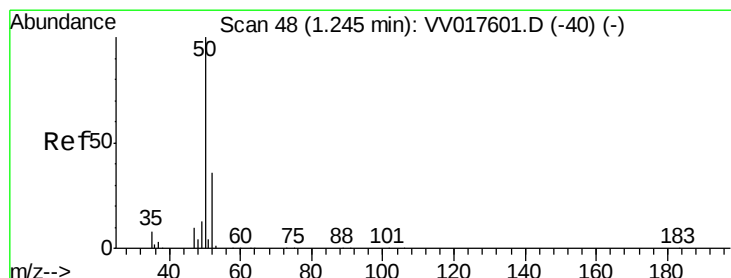
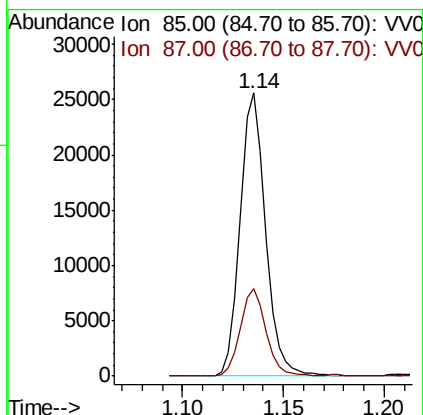
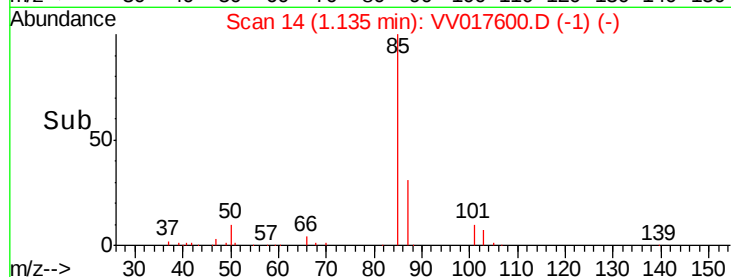
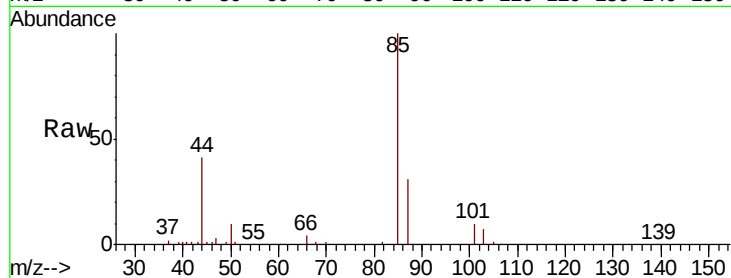
VSTD00131

Tot Ion: 85 Resp: 22748

Ion Ratio Lower Upper

85 100

87 30.9 26.4 39.6



#3

Chloromethane

Concen: 0.927 ug/L

RT: 1.24 min Scan# 48

Delta R.T. -0.00 min

Lab File: VV017600.D

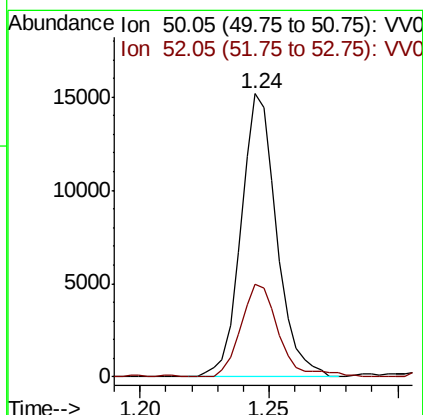
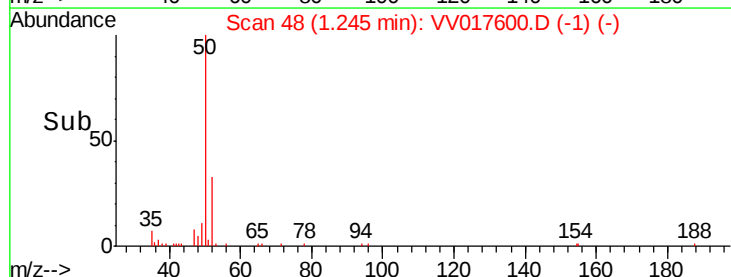
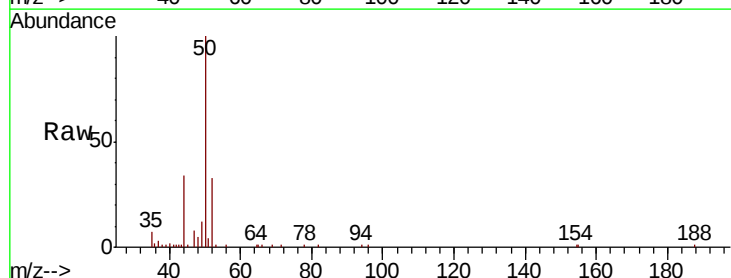
Acq: 23 Jul 2020 12:49

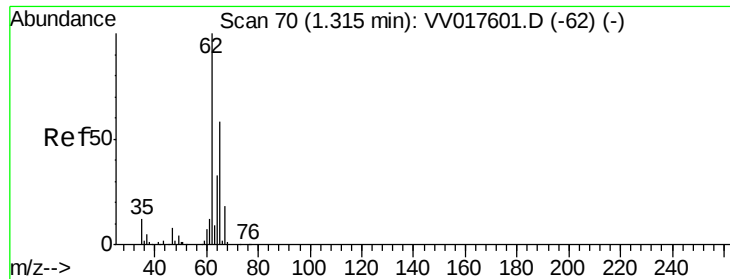
Tgt Ion: 50 Resp: 14607

Ion Ratio Lower Upper

50 100

52 32.6 25.1 46.5





#5

Vinyl chloride

Concen: 0.901 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV017600.D

Acq: 23 Jul 2020 12:49

Instrument :

MSVOA_V

ClientSampleId :

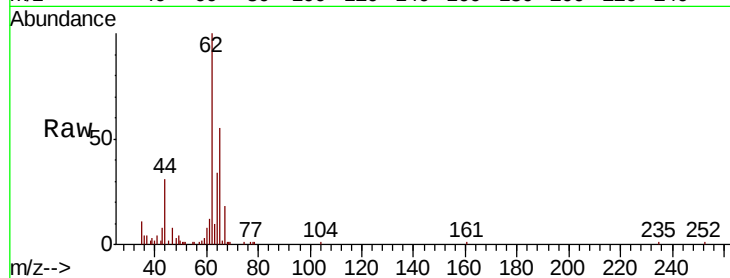
VSTD00131

Tot Ion: 62 Resp: 14256

Ion Ratio Lower Upper

62 100

64 33.5 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

15000

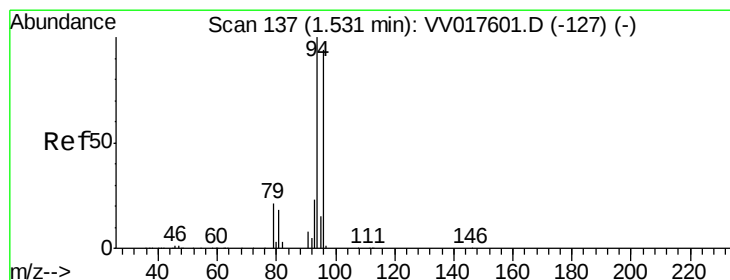
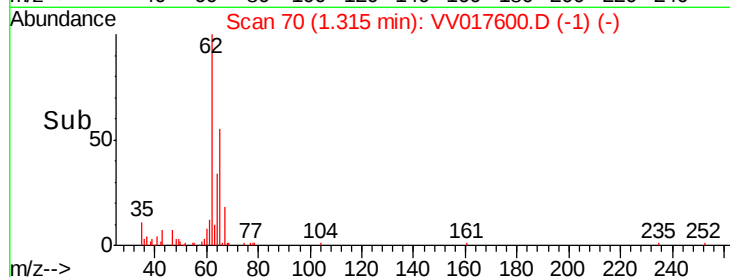
10000

5000

0

1.30 1.35

Time-->



#6

Bromomethane

Concen: 0.985 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.00 min

Lab File: VV017600.D

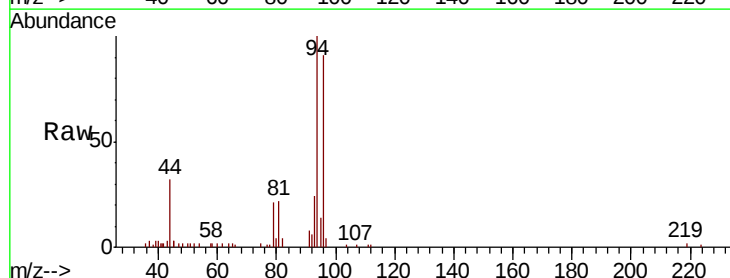
Acq: 23 Jul 2020 12:49

Tgt Ion: 94 Resp: 9530

Ion Ratio Lower Upper

94 100

96 91.0 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

8000

6000

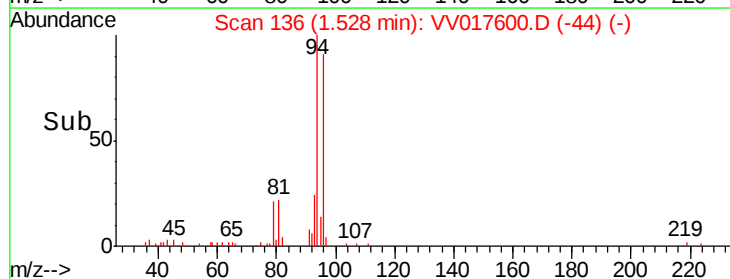
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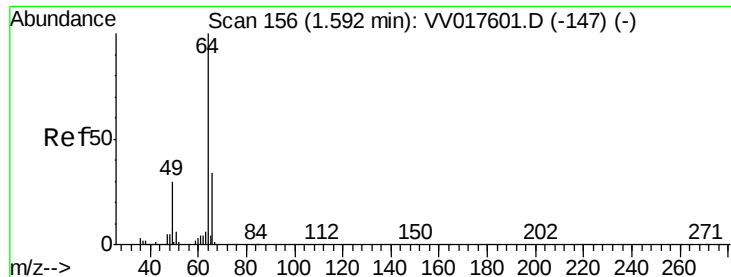
2000

0

1.50 1.55

Time-->





#8

Chloroethane

Concen: 0.955 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV017600.D

Acq: 23 Jul 2020 12:49

Instrument :

MSVOA_V

ClientSampleId :

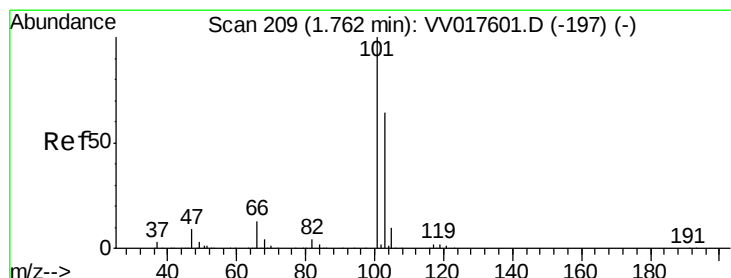
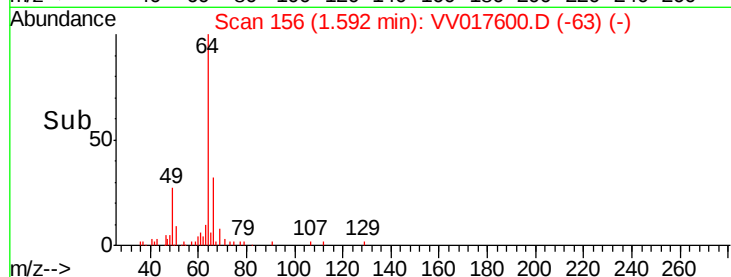
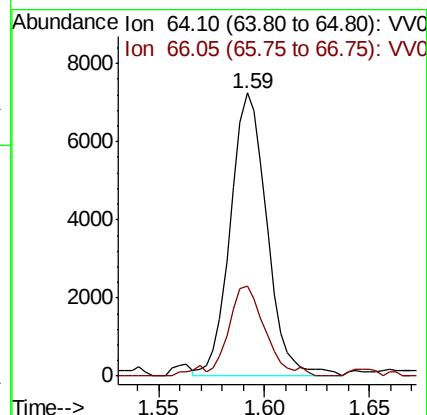
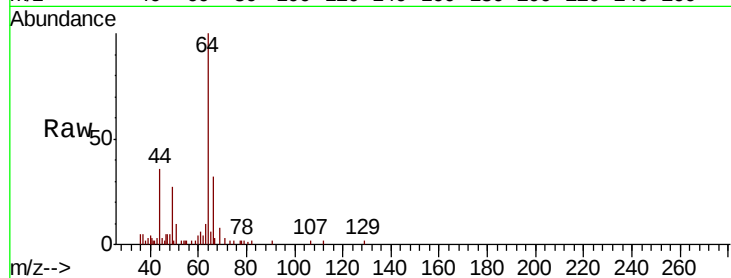
VSTD00131

Tot Ion: 64 Resp: 8726

Ion Ratio Lower Upper

64 100

66 31.9 24.0 44.6



#9

Trichlorofluoromethane

Concen: 0.907 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV017600.D

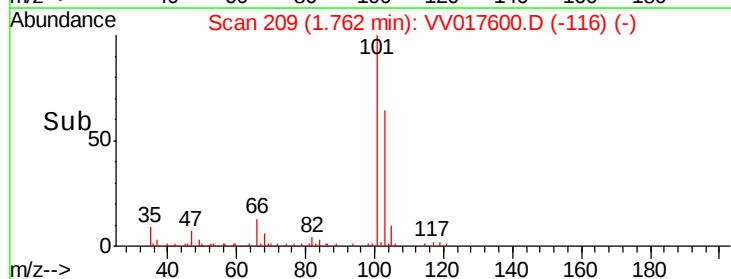
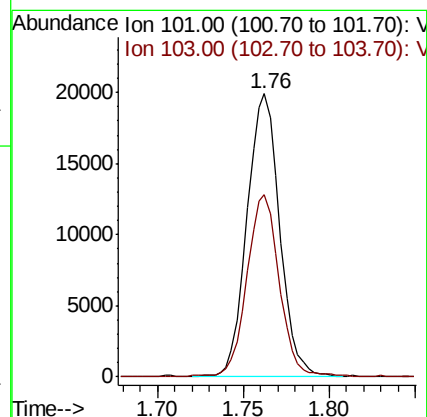
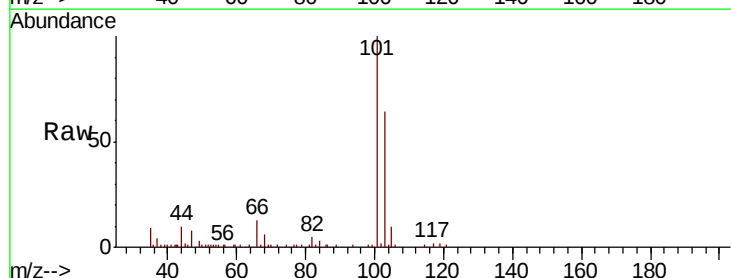
Acq: 23 Jul 2020 12:49

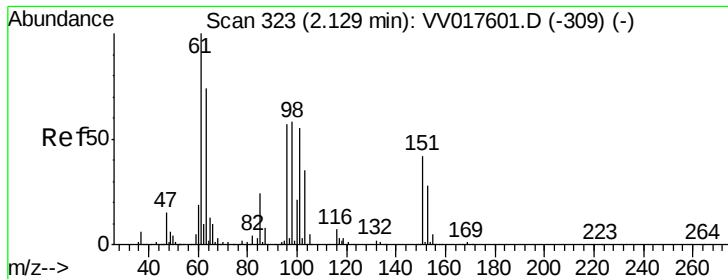
Tgt Ion: 101 Resp: 26186

Ion Ratio Lower Upper

101 100

103 64.3 51.7 77.5





#10

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

Concen: 0.895 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017600.D

Acq: 23 Jul 2020 12:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD00131

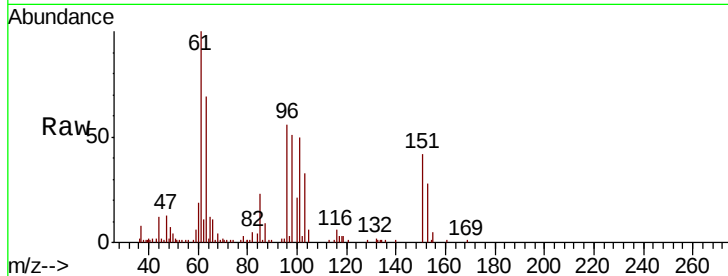
Tot Ion:101 Resp: 12022

Ion Ratio Lower Upper

101 100

85 45.2 34.6 51.8

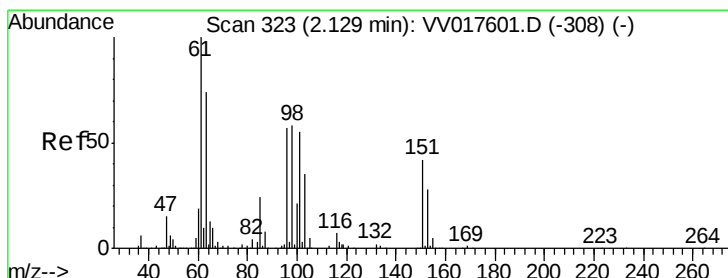
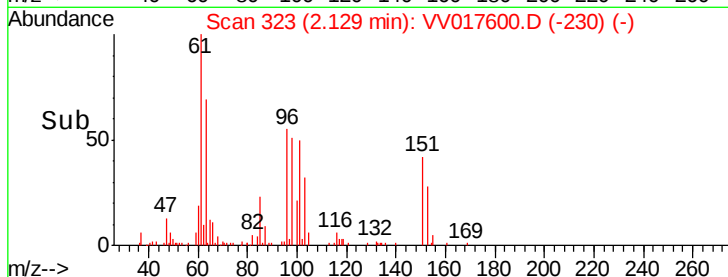
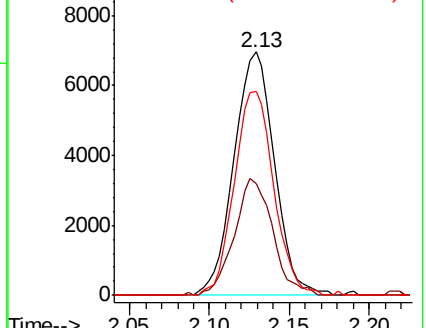
151 81.2 63.5 95.3



Abundance Ion 101.00 (100.70 to 101.70): VV017600.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV017600.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV017600.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 0.924 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017600.D

Acq: 23 Jul 2020 12:49

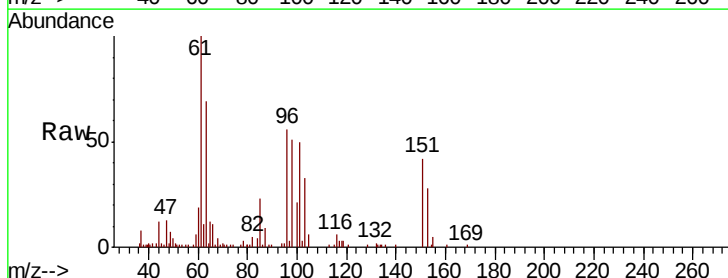
Tgt Ion: 96 Resp: 10977

Ion Ratio Lower Upper

96 100

61 178.1 123.1 228.7

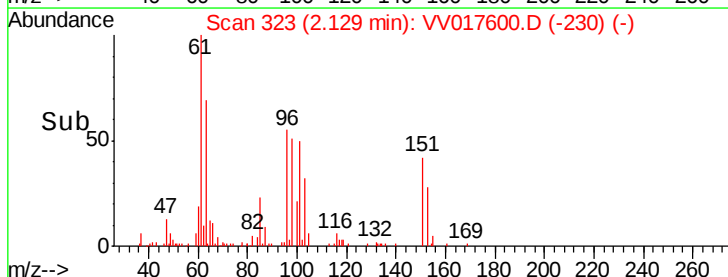
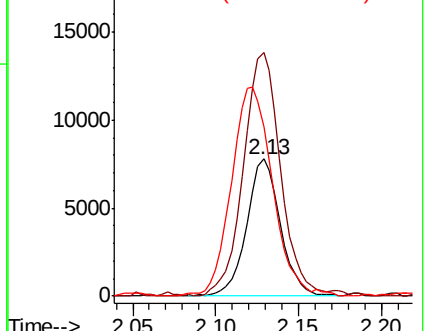
63 123.5 91.2 169.4

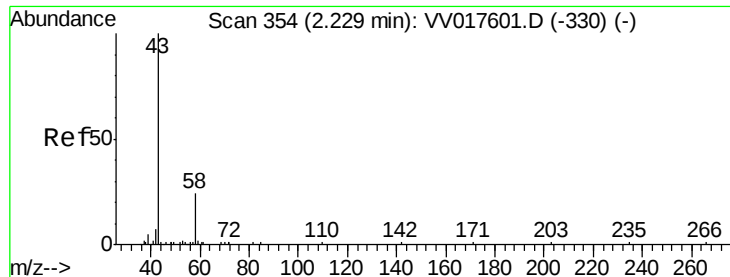


Abundance Ion 96.00 (95.70 to 96.70): VV017600.D (-230) (-)

Ion 61.05 (60.75 to 61.75): VV017600.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV017600.D (-230) (-)





#13

Acetone

Concen: 1.704 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.23 min

Lab File: VV017600.D

Acq: 23 Jul 2020 12:49

Instrument :

MSVOA_V

ClientSampleId :

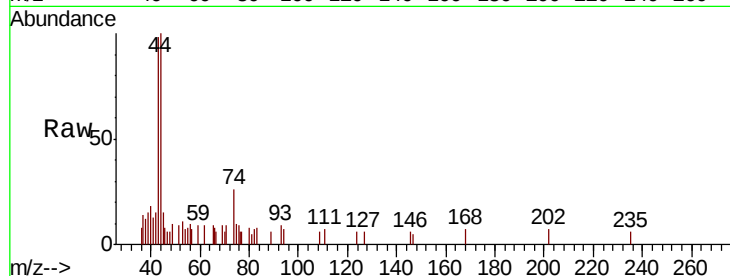
VSTD00131

Tot Ion: 43 Resp: 3032

Ion Ratio Lower Upper

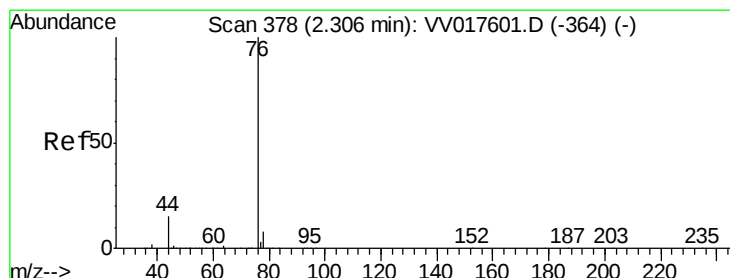
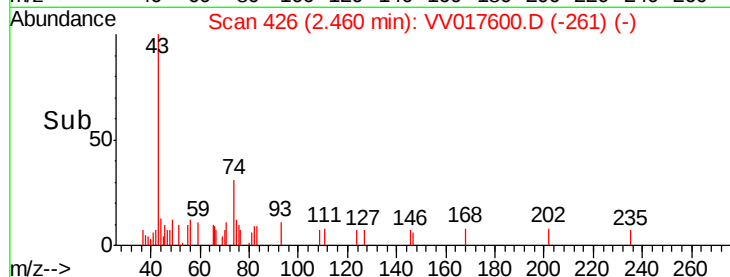
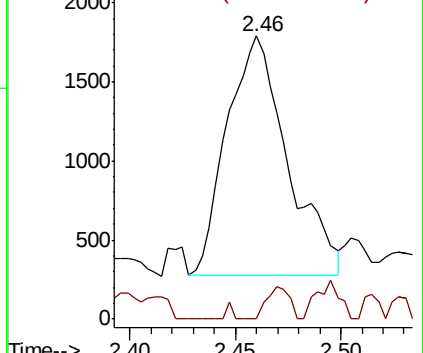
43 100

58 5.0 0.0 18.6



Abundance Ion 43.05 (42.75 to 43.75): VV017600.D (-261) (-)

Ion 58.05 (57.75 to 58.75): VV017600.D (-261) (-)



#14

Carbon disulfide

Concen: 0.881 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV017600.D

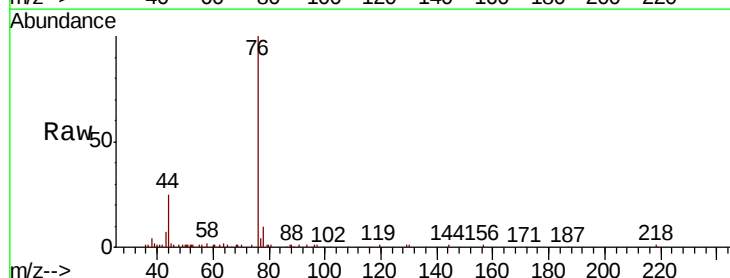
Acq: 23 Jul 2020 12:49

Tgt Ion: 76 Resp: 32006

Ion Ratio Lower Upper

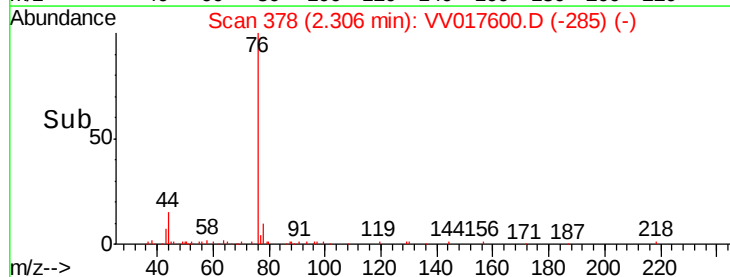
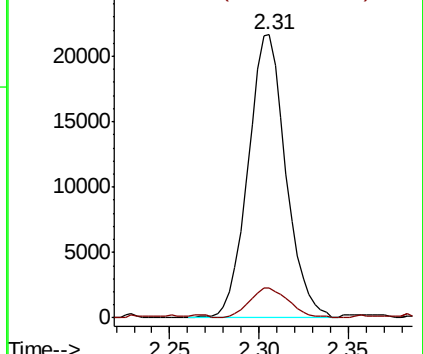
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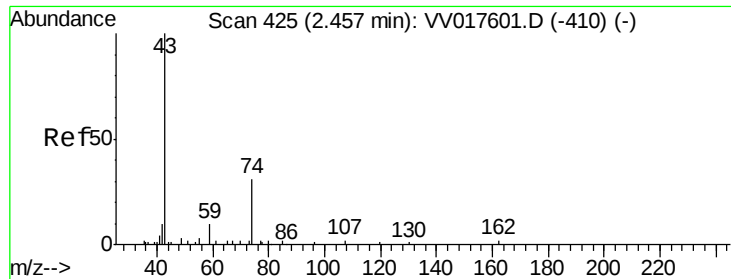
78 10.4 6.6 10.0#



Abundance Ion 76.05 (75.75 to 76.75): VV017600.D (-285) (-)

Ion 78.00 (77.70 to 78.70): VV017600.D (-285) (-)

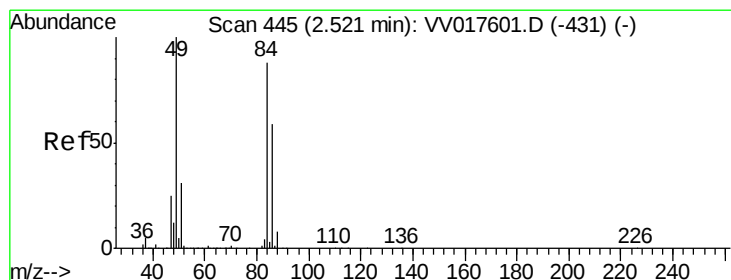
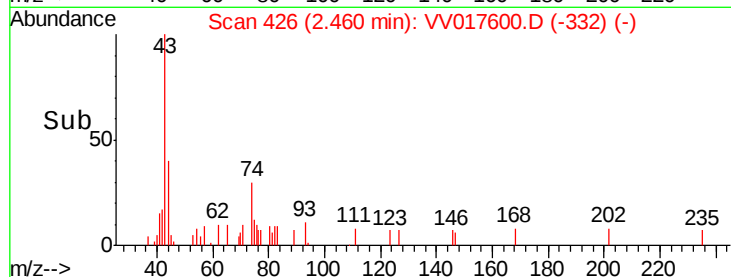
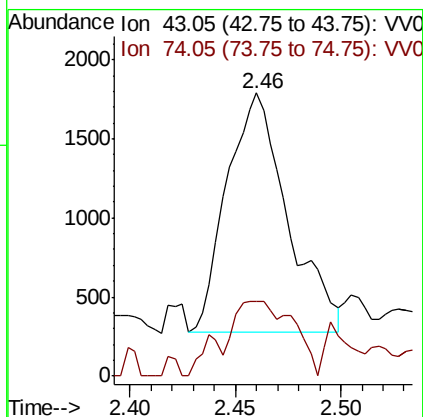
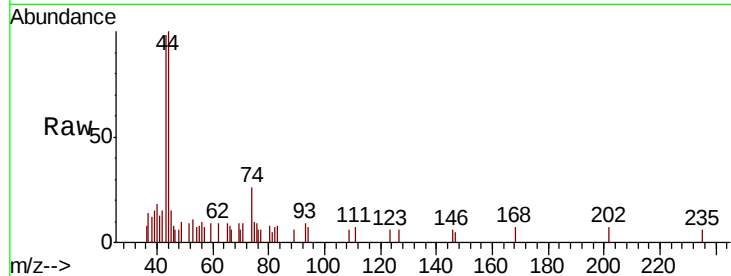




#15
Methyl Acetate
Concen: 0.856 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV017600.D
Acq: 23 Jul 2020 12:49

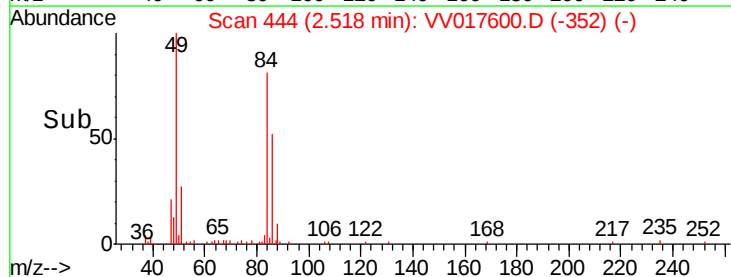
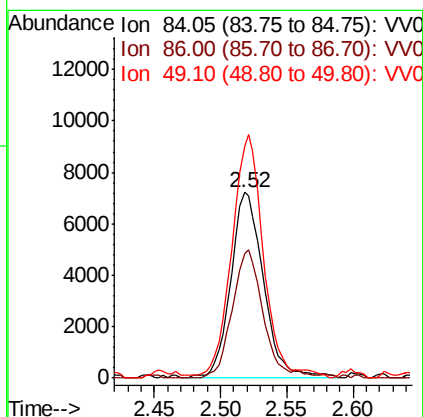
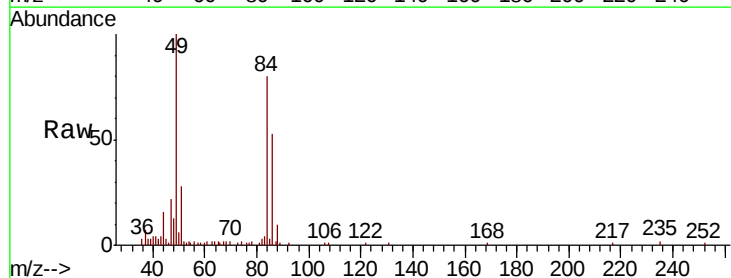
Instrument :
MSVOA_V
ClientSampleId :
VSTD00131

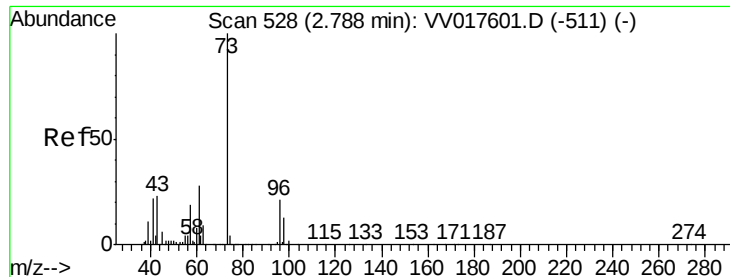
Tot Ion: 43 Resp: 3032
Ion Ratio Lower Upper
43 100
74 30.3 26.6 40.0



#16
Methylene chloride
Concen: 0.871 ug/L
RT: 2.52 min Scan# 444
Delta R.T. -0.00 min
Lab File: VV017600.D
Acq: 23 Jul 2020 12:49

Tgt Ion: 84 Resp: 12446
Ion Ratio Lower Upper
84 100
86 66.8 46.5 86.3
49 125.2 79.2 147.2

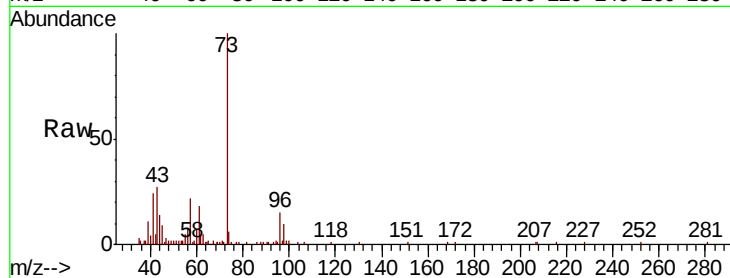




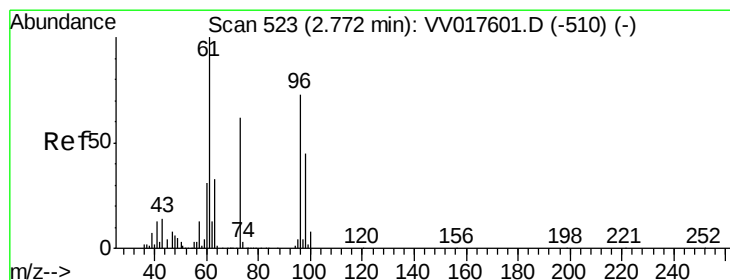
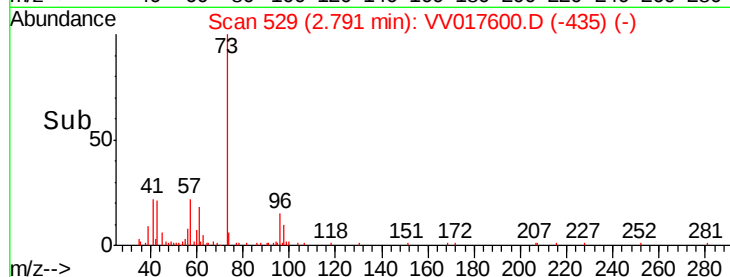
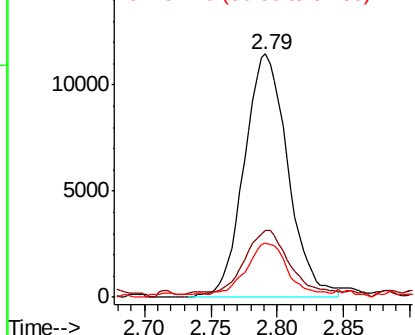
#17
Methvl tert-butvl Ether
Concen: 0.887 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV017600.D
Acq: 23 Jul 2020 12:49

Instrument :
MSVOA_V
ClientSampleId :
VSTD00131

Tot Ion	73	Resp	26379
Ion Ratio	Lower	Upper	
73	100		
43	25.6	18.3	27.5
57	19.3	16.7	25.1

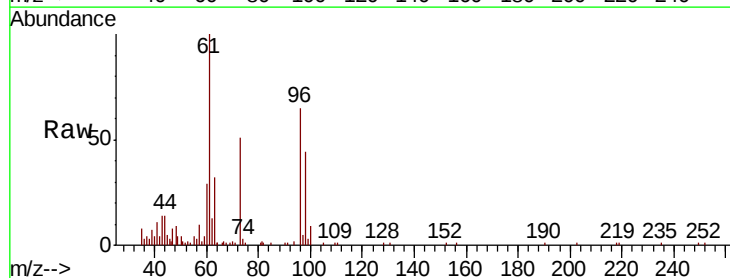


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

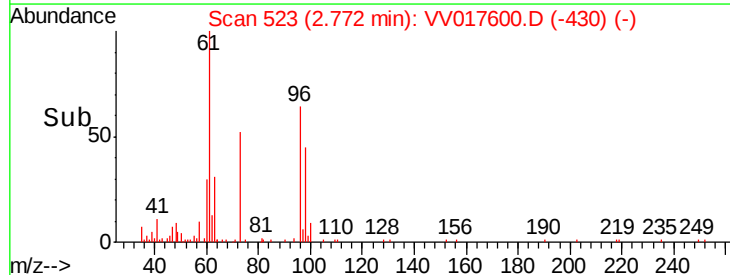
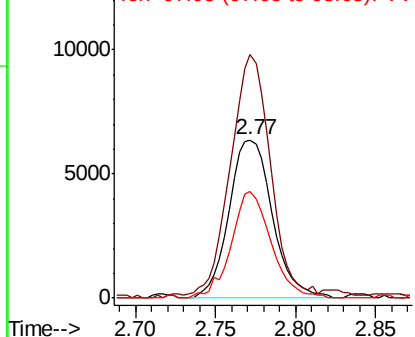


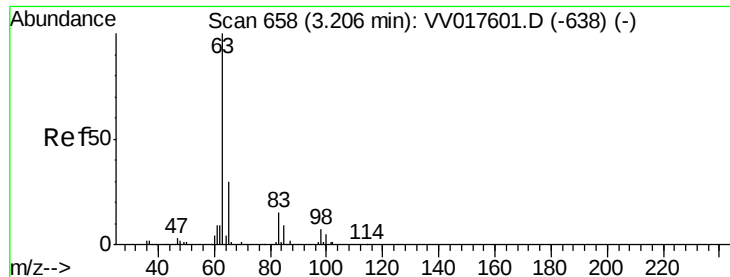
#18
trans-1,2-Dichloroethene
Concen: 0.930 ug/L
RT: 2.77 min Scan# 523
Delta R.T. -0.00 min
Lab File: VV017600.D
Acq: 23 Jul 2020 12:49

Tgt Ion	96	Resp	11780
Ion Ratio	Lower	Upper	
96	100		
61	154.3	96.0	178.4
98	67.9	43.5	80.9



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 0.957 ug/L

RT: 3.21 min Scan# 658

Delta R.T. -0.00 min

Lab File: VV017600.D

Acq: 23 Jul 2020 12:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD00131

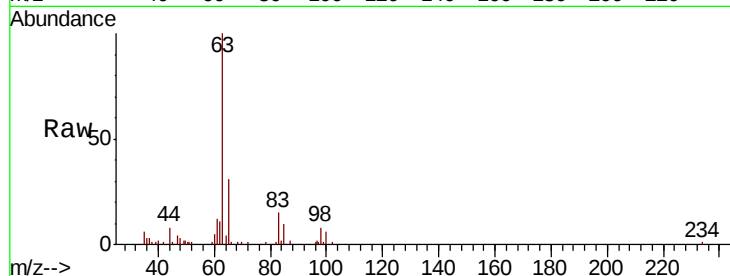
Tot Ion: 63 Resp: 23841

Ion Ratio Lower Upper

63 100

65 31.4 21.4 39.8

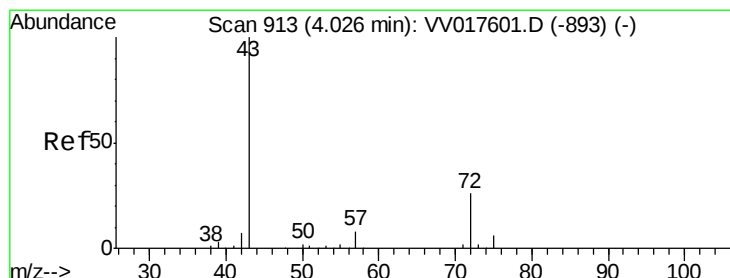
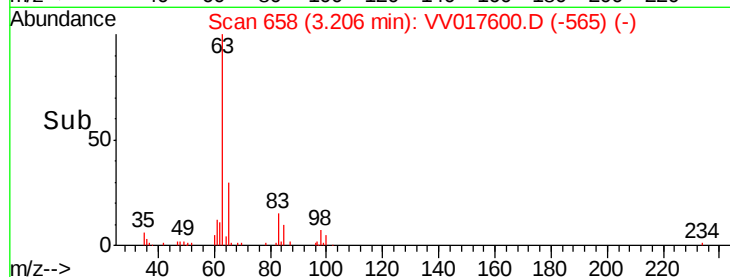
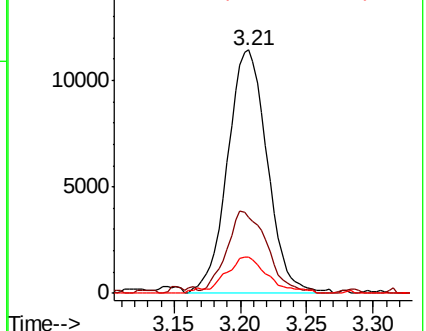
83 14.7 10.4 19.4



Abundance Ion 63.10 (62.80 to 63.80): VV017600.D (-638) (-)

Ion 65.10 (64.80 to 65.80): VV017600.D (-638) (-)

Ion 83.05 (82.75 to 83.75): VV017600.D (-638) (-)



#21

2-Butanone

Concen: 8.403 ug/L

RT: 4.04 min Scan# 918

Delta R.T. 0.02 min

Lab File: VV017600.D

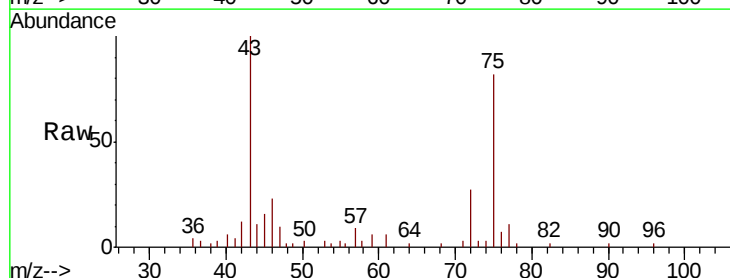
Acq: 23 Jul 2020 12:49

Tgt Ion: 43 Resp: 23361

Ion Ratio Lower Upper

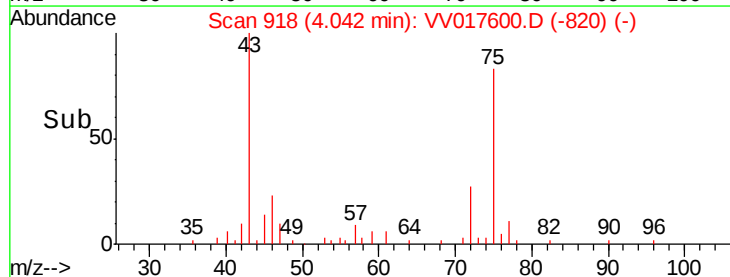
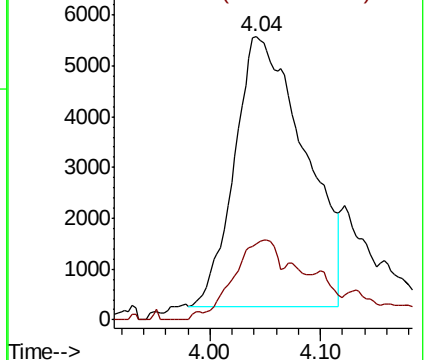
43 100

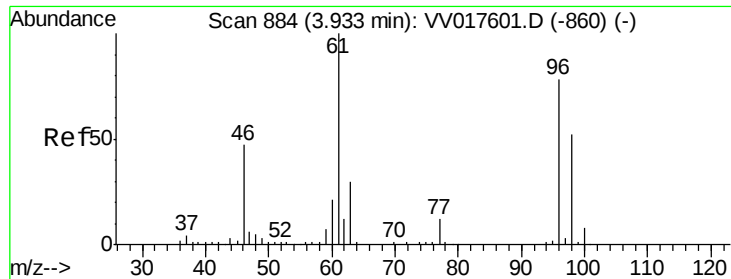
72 16.5 13.0 38.9



Abundance Ion 43.00 (42.70 to 43.70): VV017600.D (-820) (-)

Ion 72.00 (71.70 to 72.70): VV017600.D (-820) (-)



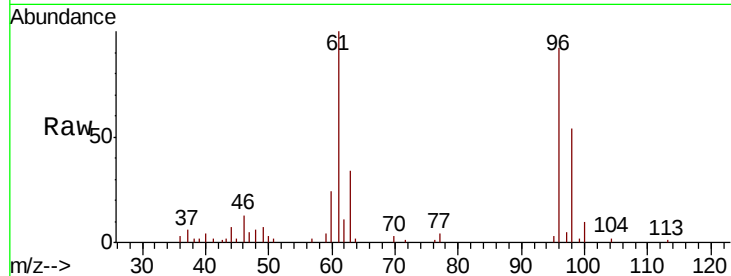


#22

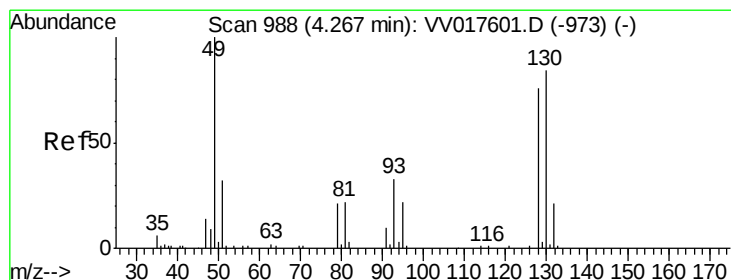
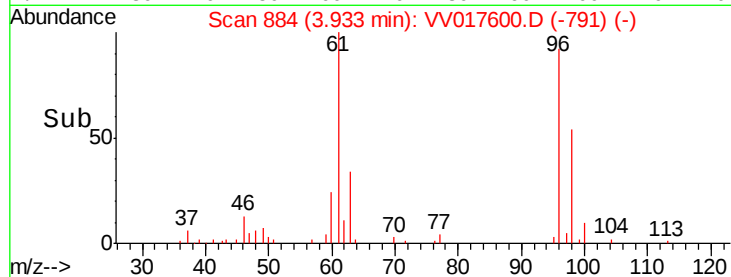
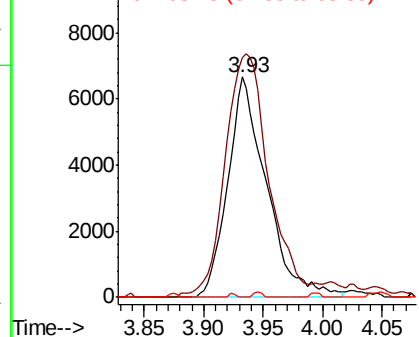
cis-1,2-Dichloroethene
 Concen: 1.056 ug/L
 RT: 3.93 min Scan# 884
 Delta R.T. -0.00 min
 Lab File: VV017600.D
 Acq: 23 Jul 2020 12:49

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00131

Tot Ion: 96 Resp: 15034
 Ion Ratio Lower Upper
 96 100
 61 109.1 89.6 166.4
 68 0.0 0.0 0.0



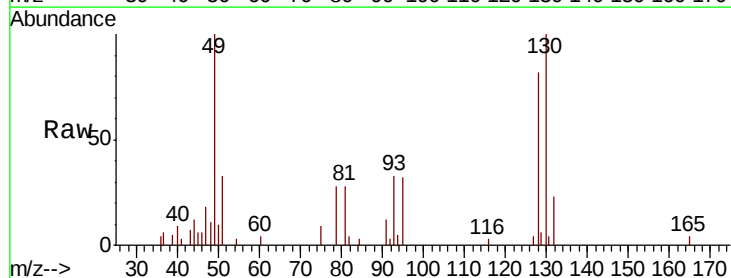
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



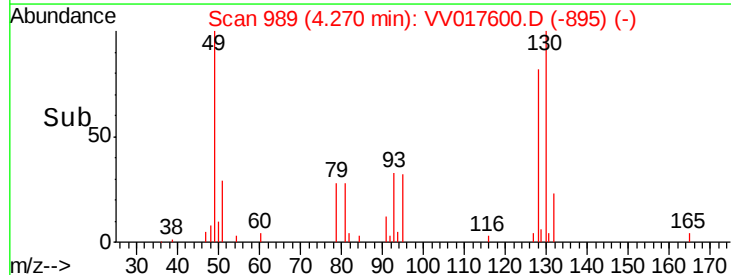
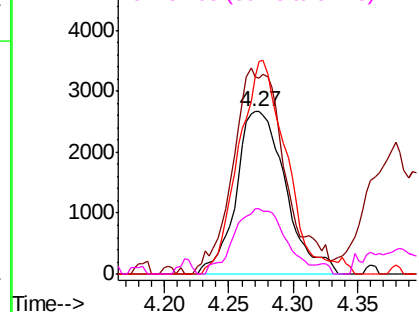
#23

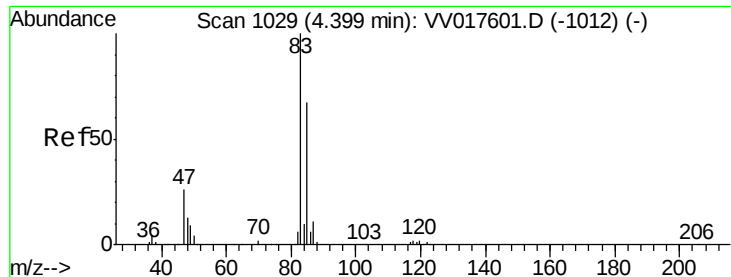
Bromochloromethane
 Concen: 1.115 ug/L
 RT: 4.27 min Scan# 989
 Delta R.T. 0.00 min
 Lab File: VV017600.D
 Acq: 23 Jul 2020 12:49

Tgt Ion: 128 Resp: 7107
 Ion Ratio Lower Upper
 128 100
 49 121.4 92.2 171.2
 130 121.5 77.2 143.4
 51 40.0 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

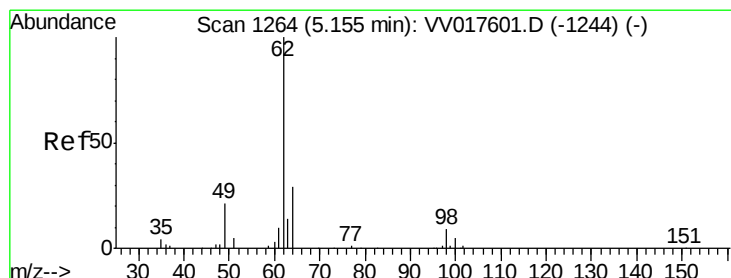
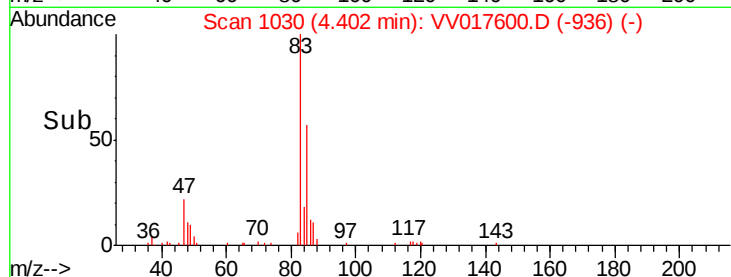
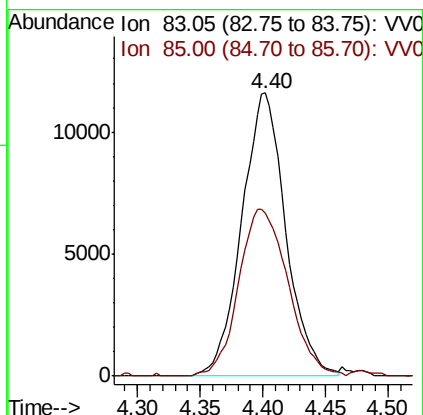
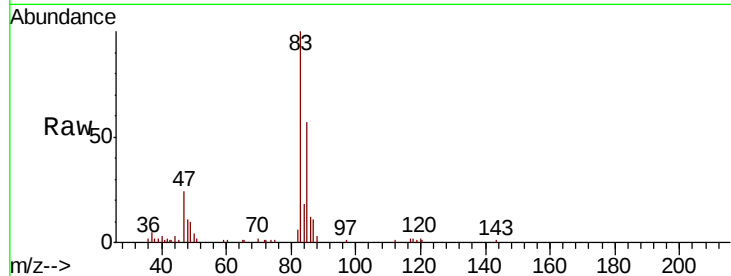




#25
Chloroform
Concen: 1.046 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV017600.D
Acq: 23 Jul 2020 12:49

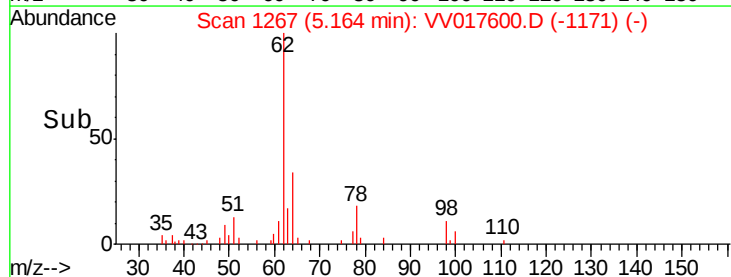
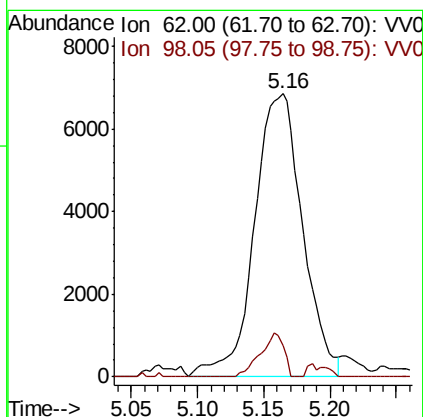
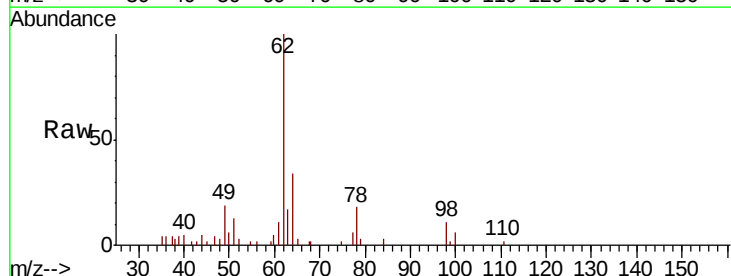
Instrument :
MSVOA_V
ClientSampleId :
VSTD00131

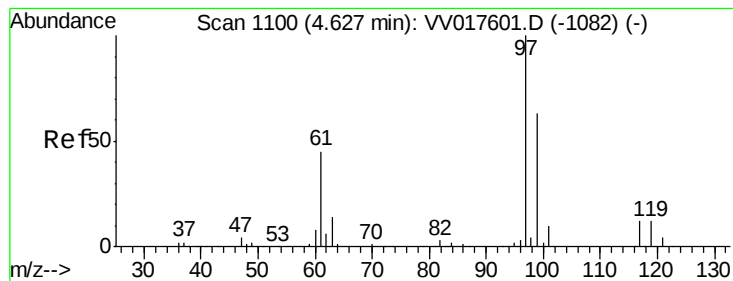
Tot Ion: 83 Resp: 28292
Ion Ratio Lower Upper
83 100
85 57.4 47.3 87.9



#27
1,2-Dichloroethane
Concen: 0.983 ug/L
RT: 5.16 min Scan# 1267
Delta R.T. 0.01 min
Lab File: VV017600.D
Acq: 23 Jul 2020 12:49

Tgt Ion: 62 Resp: 17411
Ion Ratio Lower Upper
62 100
98 10.8 7.0 10.6#





#29

1,1,1-Trichloroethane

Concen: 1.011 ug/L

RT: 4.63 min Scan# 1100

Delta R.T. -0.00 min

Lab File: VV017600.D

Acq: 23 Jul 2020 12:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD00131

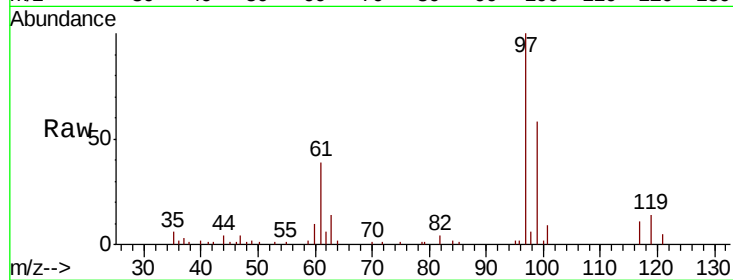
Tot Ion: 97 Resp: 26561

Ion Ratio Lower Upper

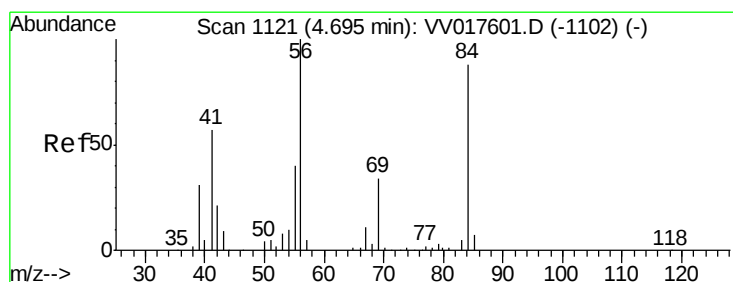
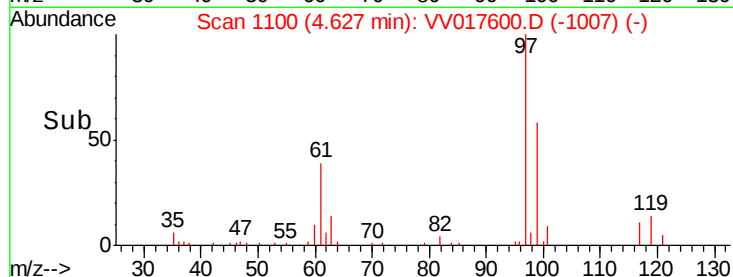
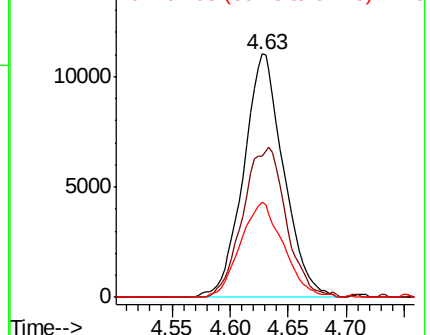
97 100

99 66.4 50.6 76.0

61 41.8 35.7 53.5



Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 1.027 ug/L

RT: 4.69 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VV017600.D

Acq: 23 Jul 2020 12:49

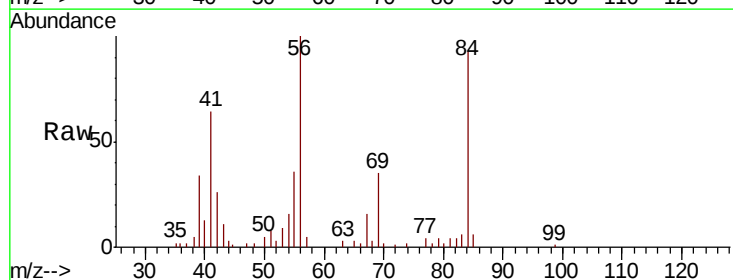
Tgt Ion: 56 Resp: 20967

Ion Ratio Lower Upper

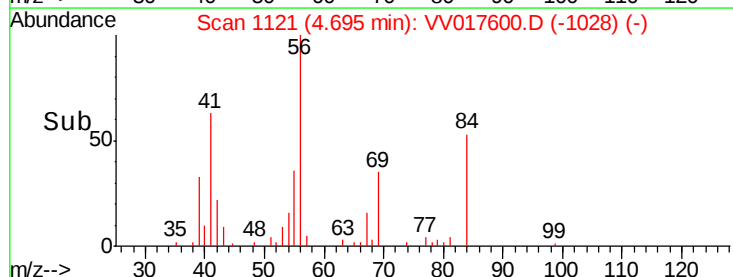
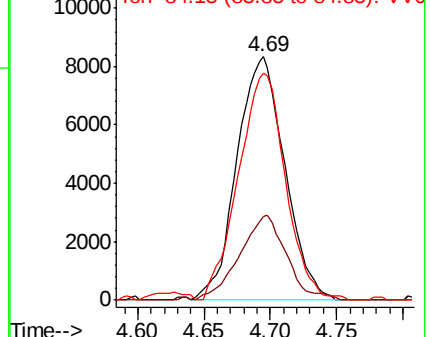
56 100

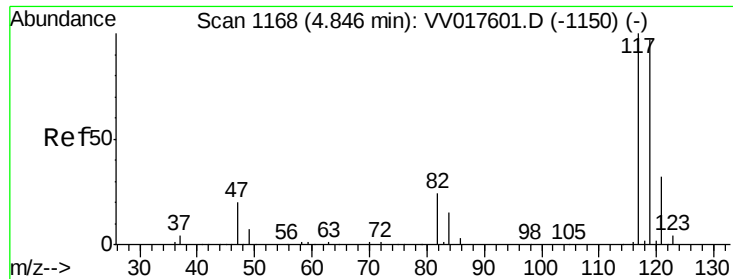
69 34.0 25.4 38.2

84 91.7 73.0 109.4



Abundance Ion 56.10 (55.80 to 56.80): VV0
Ion 69.15 (68.85 to 69.85): VV0
Ion 84.15 (83.85 to 84.85): VV0

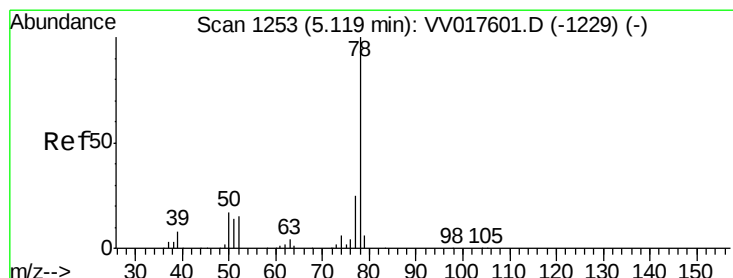
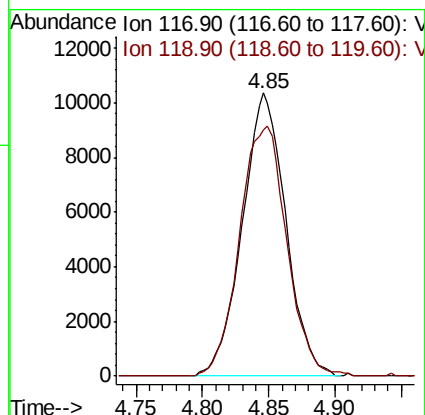
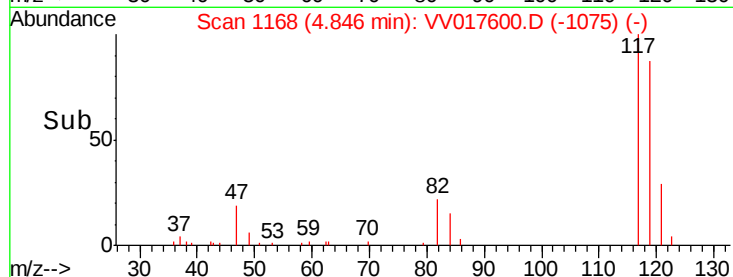
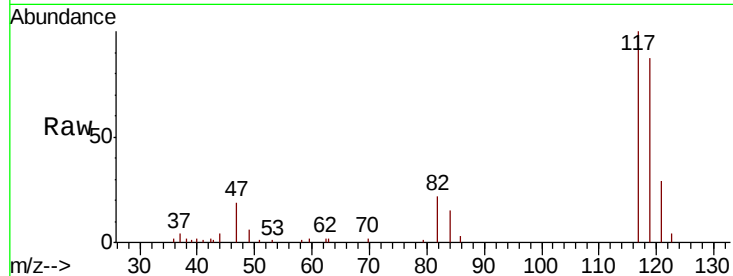




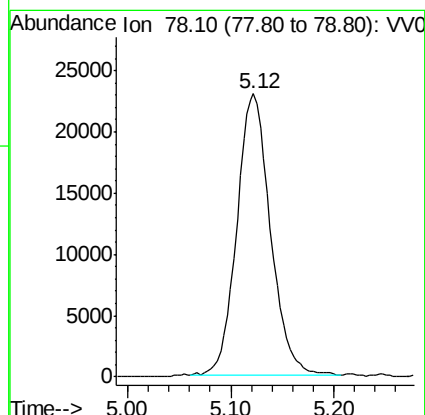
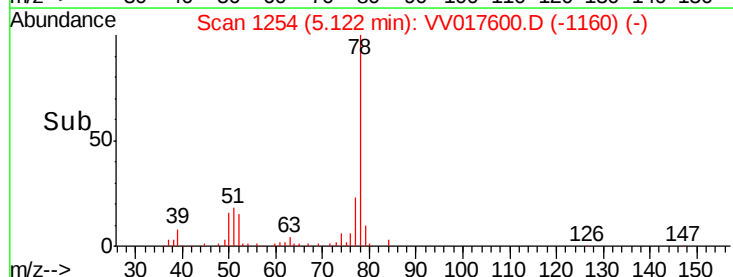
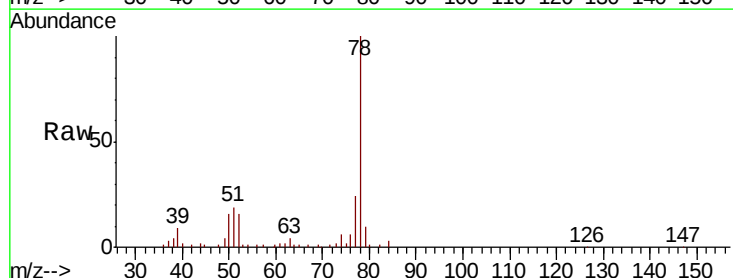
#31
Carbon tetrachloride
Concen: 0.978 ug/L
RT: 4.85 min Scan# 1168
Delta R.T. -0.00 min
Lab File: VV017600.D
Acq: 23 Jul 2020 12:49

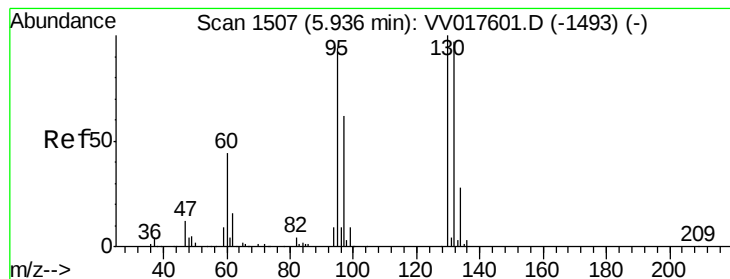
Instrument :
MSVOA_V
ClientSampleId :
VSTD00131

Tot Ion:117 Resp: 23650
Ion Ratio Lower Upper
117 100
119 95.9 76.9 115.3



#33
Benzene
Concen: 1.041 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VV017600.D
Acq: 23 Jul 2020 12:49
Tgt Ion: 78 Resp: 52167





#34

Trichloroethene

Concen: 1.019 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV017600.D

Acq: 23 Jul 2020 12:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD00131

Tot Ion: 95 Resp: 15334

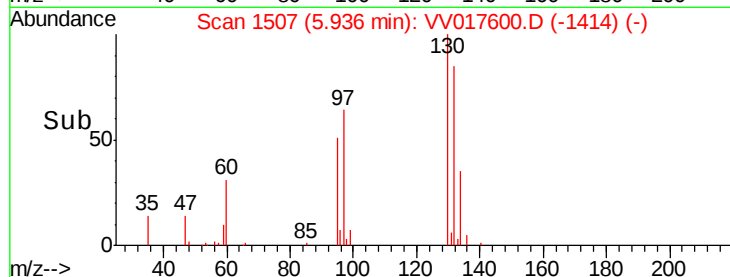
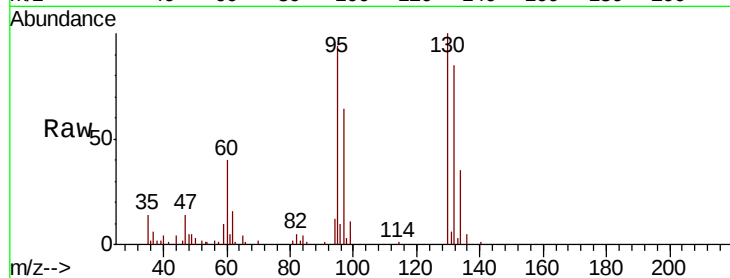
Ion Ratio Lower Upper

95 100

97 68.9 46.1 85.5

132 91.3 71.7 133.1

130 106.9 74.3 137.9

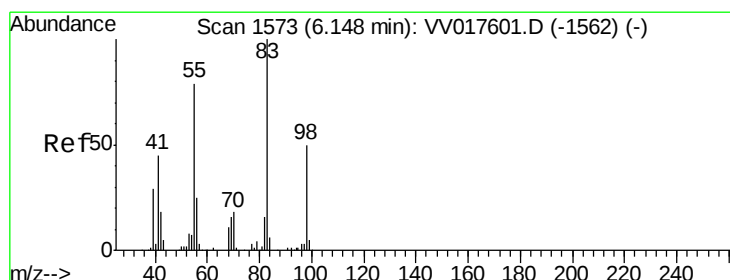
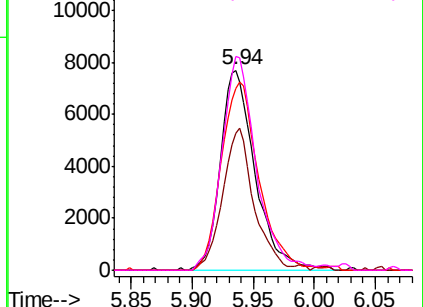


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.968 ug/L

RT: 6.15 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VV017600.D

Acq: 23 Jul 2020 12:49

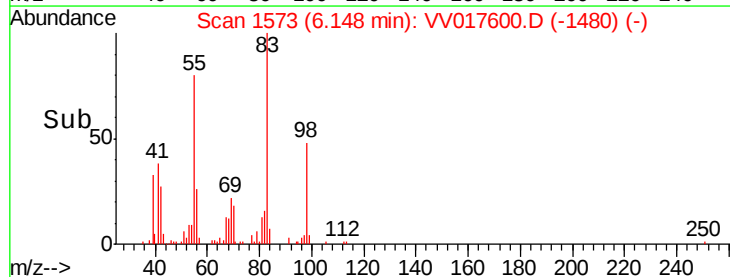
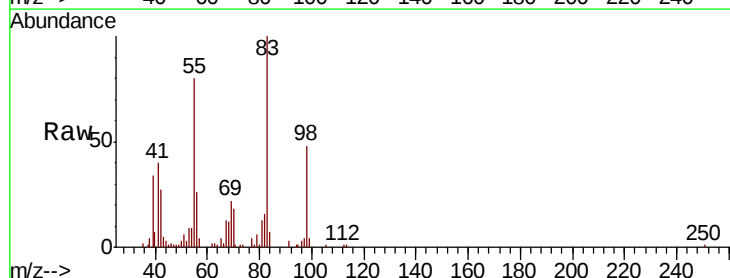
Tgt Ion: 83 Resp: 21834

Ion Ratio Lower Upper

83 100

55 80.4 61.8 92.8

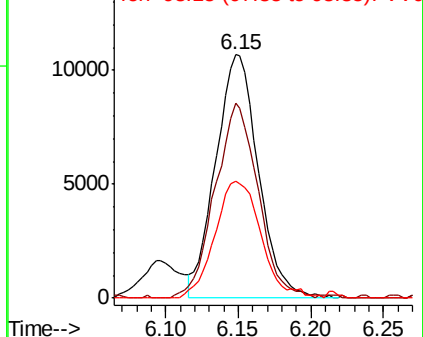
98 51.7 39.0 58.6

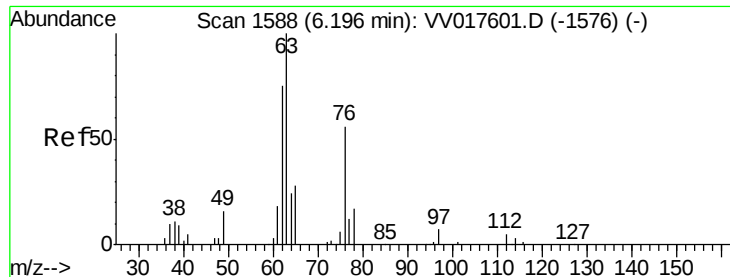


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

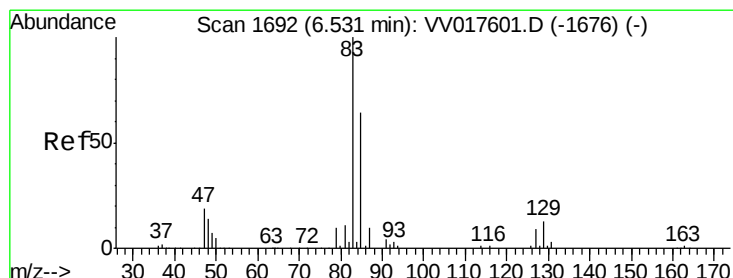
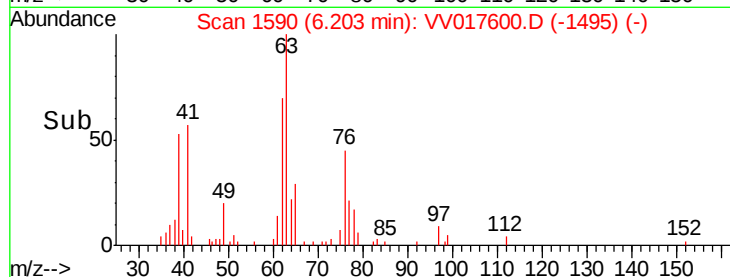
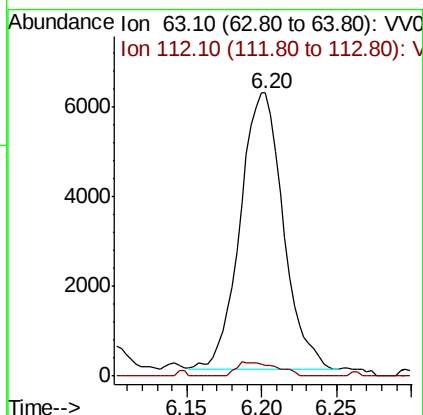
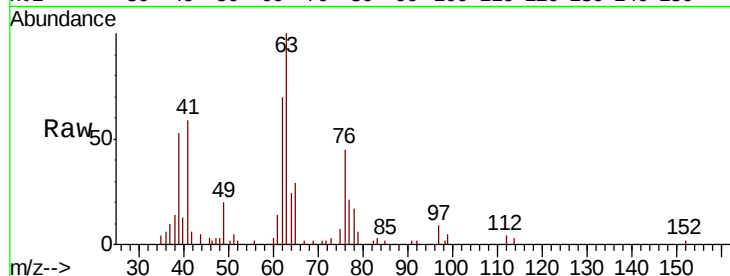




#37
 1,2-Dichloropropane
 Concen: 1.049 ug/L
 RT: 6.20 min Scan# 1590
 Delta R.T. 0.01 min
 Lab File: VV017600.D
 Acq: 23 Jul 2020 12:49

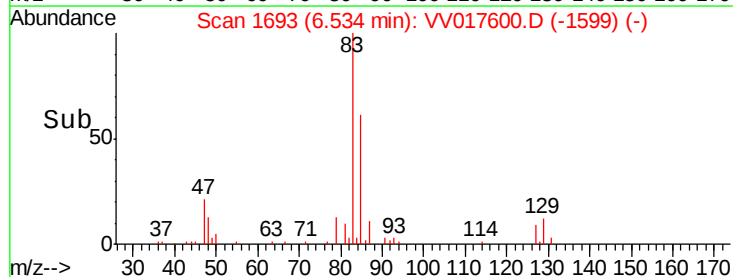
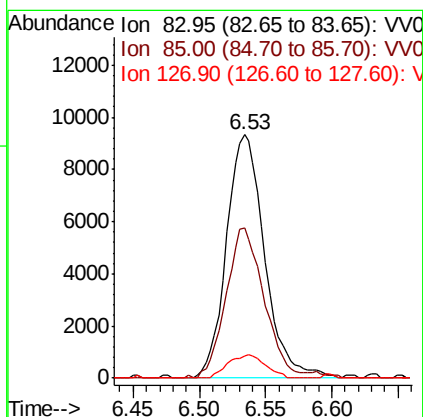
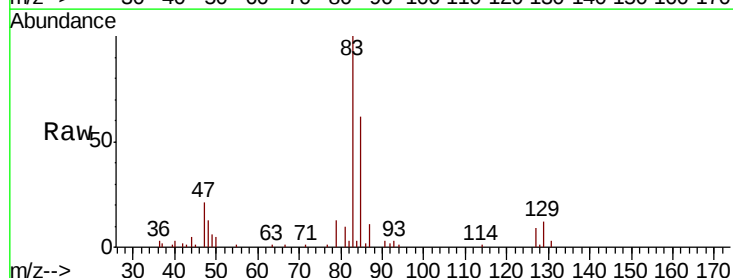
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00131

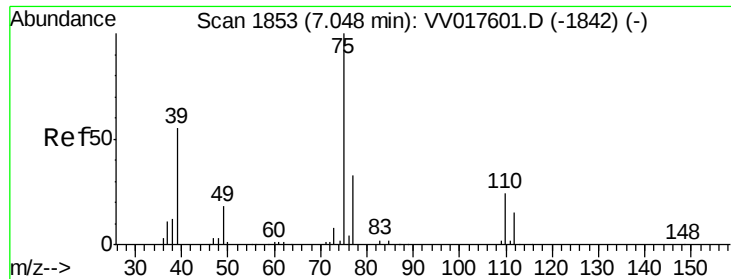
Tot Ion: 63 Resp: 12335
 Ion Ratio Lower Upper
 63 100
 112 4.8 4.5 6.7



#38
 Bromodichloromethane
 Concen: 1.048 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV017600.D
 Acq: 23 Jul 2020 12:49

Tgt Ion: 83 Resp: 18645
 Ion Ratio Lower Upper
 83 100
 85 61.9 44.7 83.1
 127 9.1 7.4 11.0

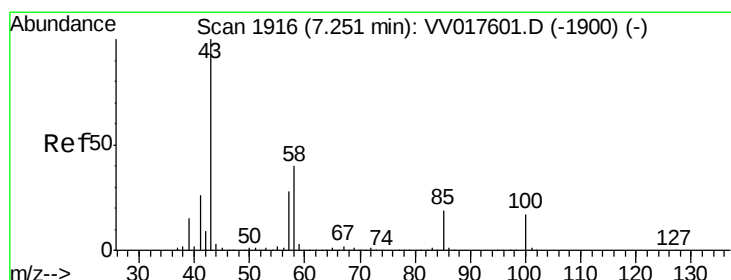
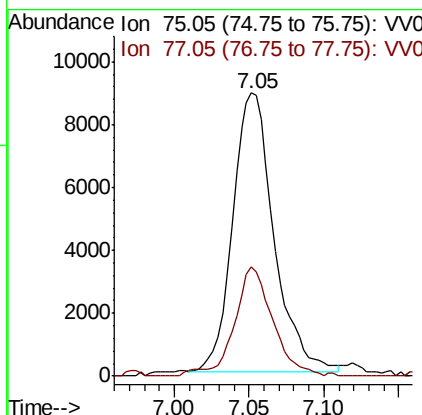
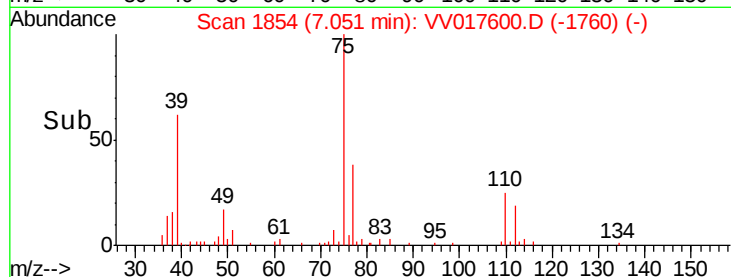
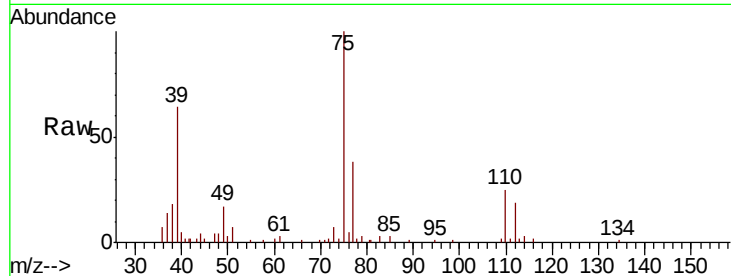




#39
 cis-1,3-Dichloropropene
 Concen: 0.918 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV017600.D
 Acq: 23 Jul 2020 12:49

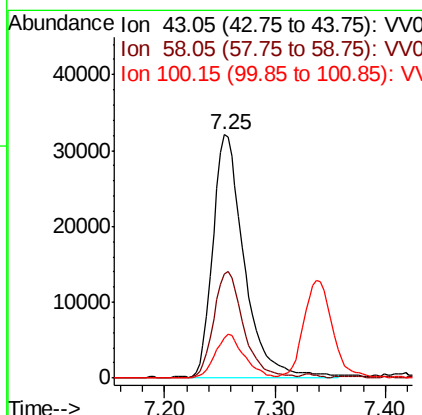
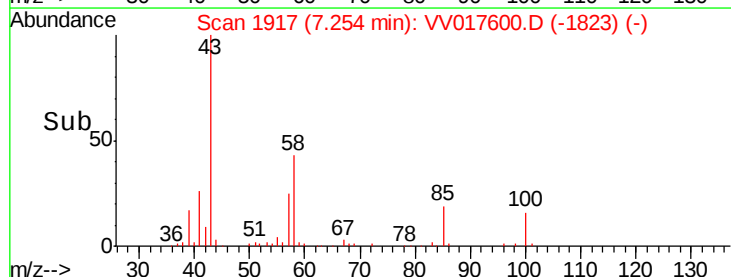
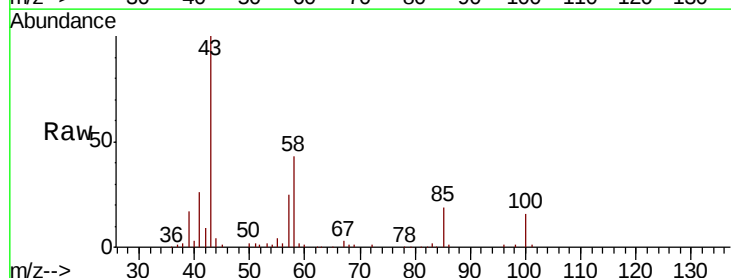
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00131

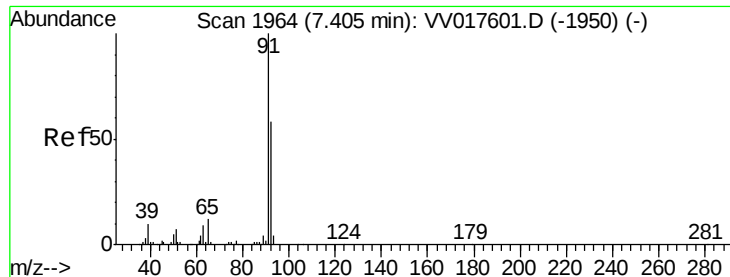
Tot Ion: 75 Resp: 16892
 Ion Ratio Lower Upper
 75 100
 77 38.4 23.2 43.2



#40
 4-Methyl-2-pentanone
 Concen: 10.133 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VV017600.D
 Acq: 23 Jul 2020 12:49

Tgt Ion: 43 Resp: 63437
 Ion Ratio Lower Upper
 43 100
 58 41.5 31.2 46.8
 100 16.7 13.6 20.4





#42

Toluene

Concen: 1.054 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017600.D

Acq: 23 Jul 2020 12:49

Instrument :

MSVOA_V

ClientSampled :

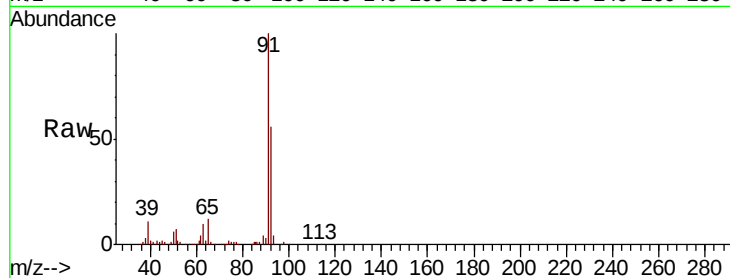
VSTD00131

Tot Ion: 91 Resp: 58169

Ion Ratio Lower Upper

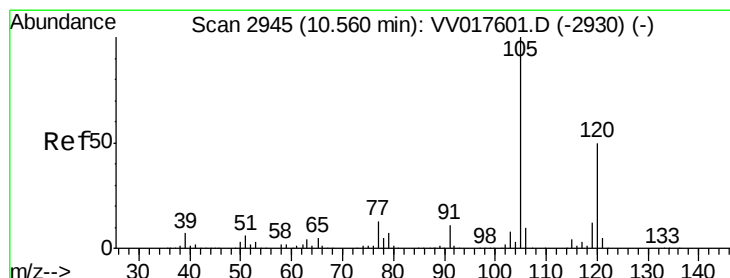
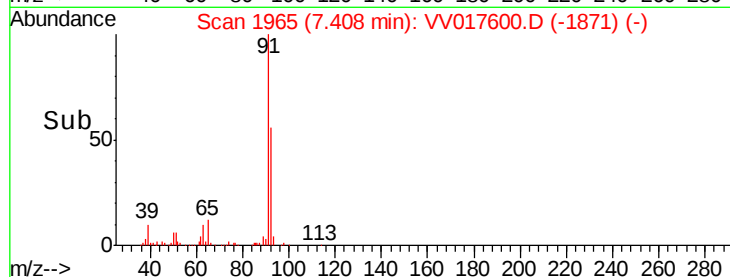
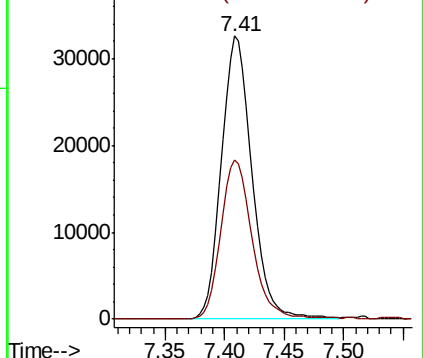
91 100

92 56.2 40.8 75.8



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

Ion 92.15 (91.85 to 92.85): VV017601.D (-1950) (-)



#43

1,3,5-Trimethylbenzene

Concen: 0.899 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VV017600.D

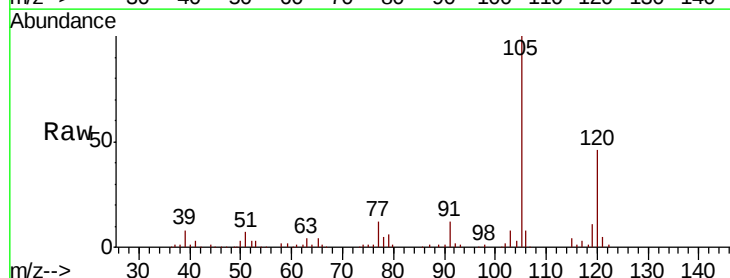
Acq: 23 Jul 2020 12:49

Tgt Ion: 105 Resp: 48738

Ion Ratio Lower Upper

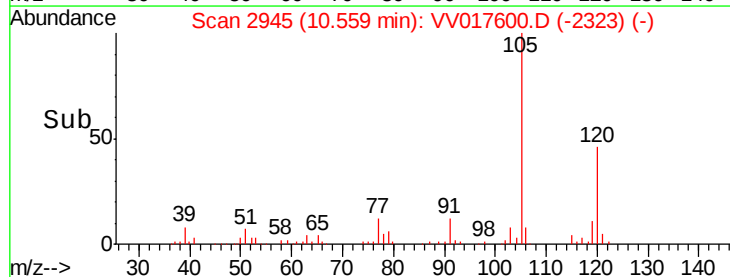
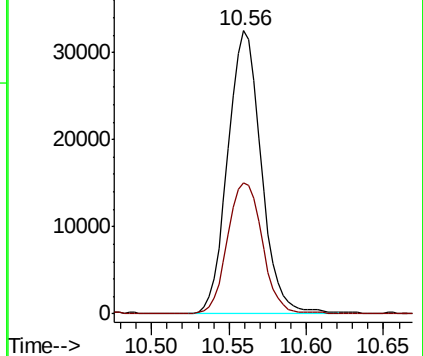
105 100

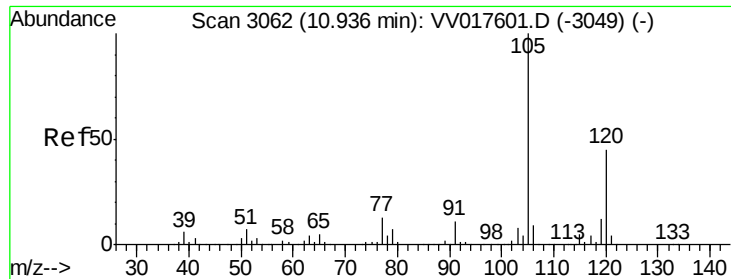
120 48.0 39.4 59.2



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

Ion 120.00 (119.70 to 120.70): VV017601.D (-2930) (-)

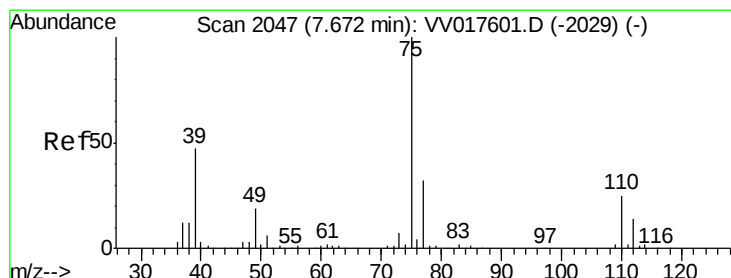
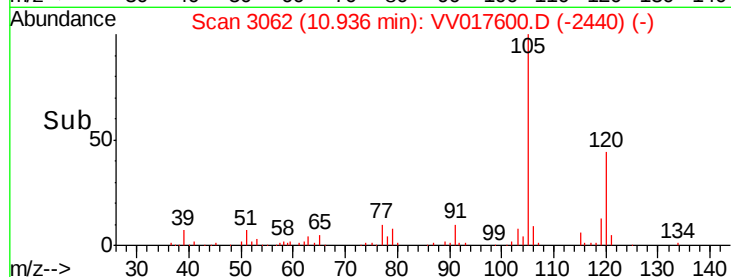
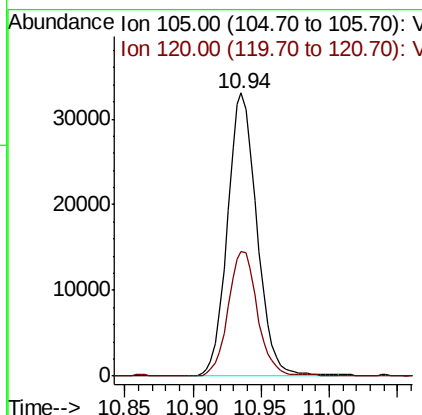
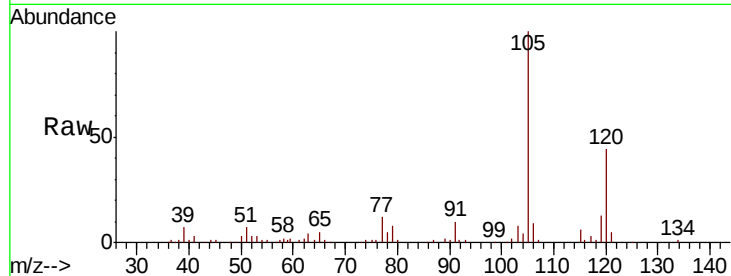




#44
 1,2,4-Trimethylbenzene
 Concen: 0.916 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV017600.D
 Acq: 23 Jul 2020 12:49

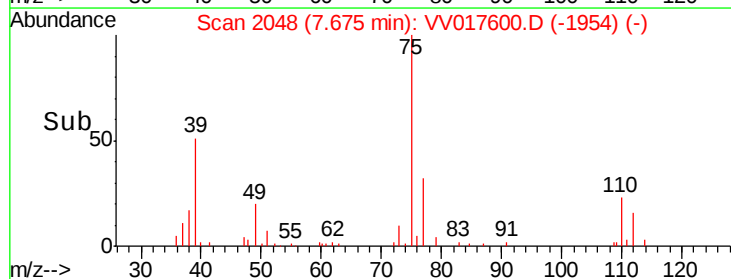
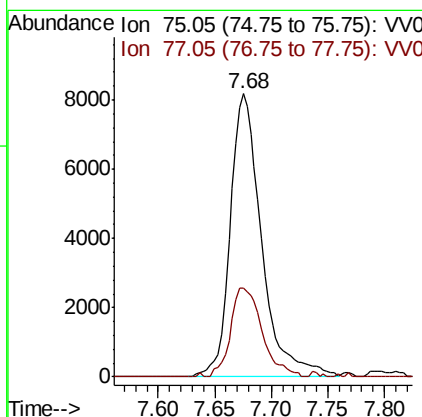
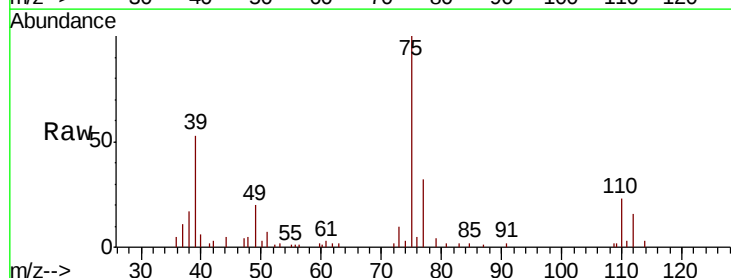
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00131

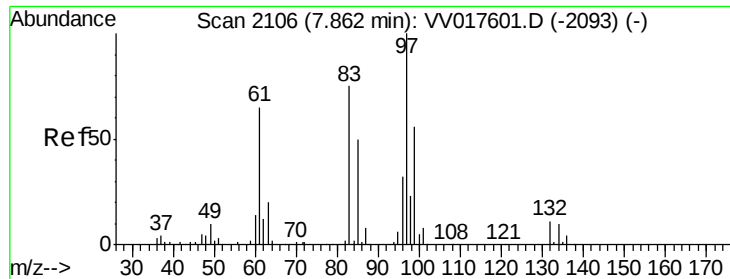
Tot Ion:105 Resp: 49655
 Ion Ratio Lower Upper
 105 100
 120 43.5 35.9 53.9



#46
 trans-1,3-Dichloropropene
 Concen: 0.968 ug/L
 RT: 7.68 min Scan# 2048
 Delta R.T. 0.00 min
 Lab File: VV017600.D
 Acq: 23 Jul 2020 12:49

Tgt Ion: 75 Resp: 15801
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.5 41.7

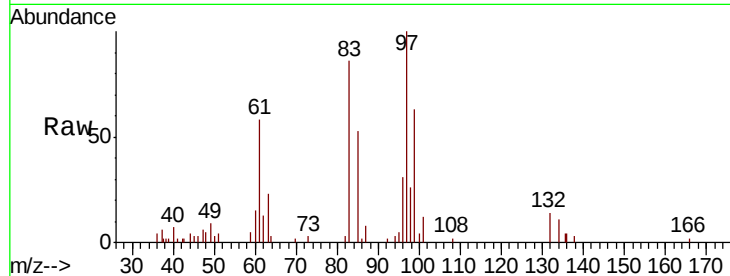




#47
 1,1,2-Trichloroethane
 Concen: 1.072 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. -0.00 min
 Lab File: VV017600.D
 Acq: 23 Jul 2020 12:49

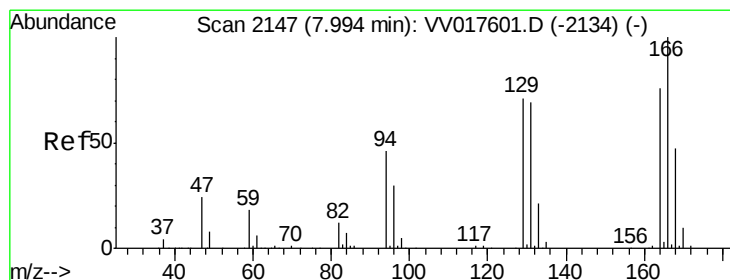
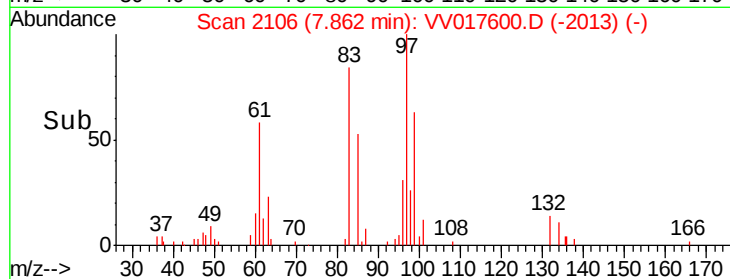
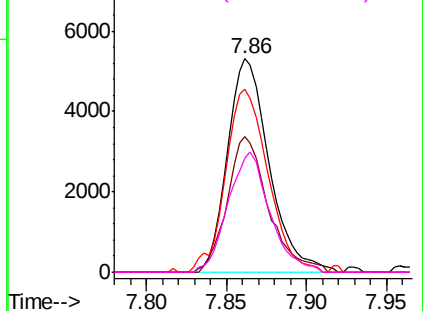
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00131

Tot Ion:	97	Resp:	9455
Ion	Ratio	Lower	Upper
97	100		
99	63.4	39.5	73.4
83	85.8	52.6	97.6
85	53.3	35.1	65.1



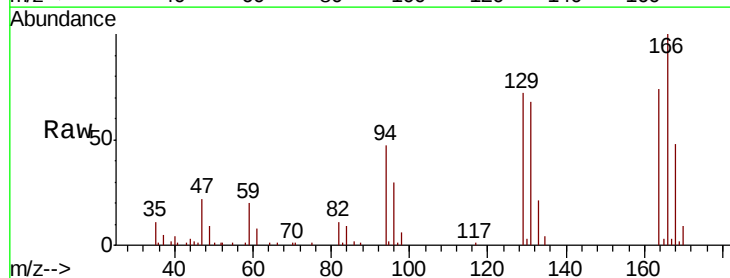
Abundance

Ion 96.95 (96.65 to 97.65): VV017600.D (-2093) (-)



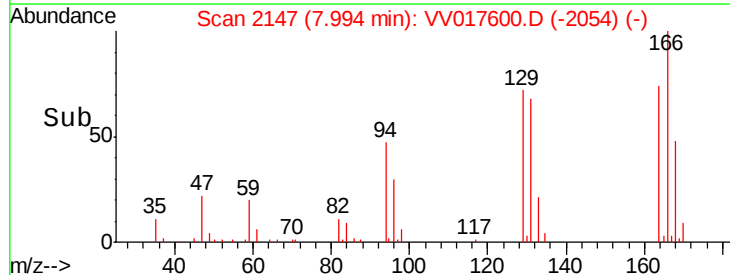
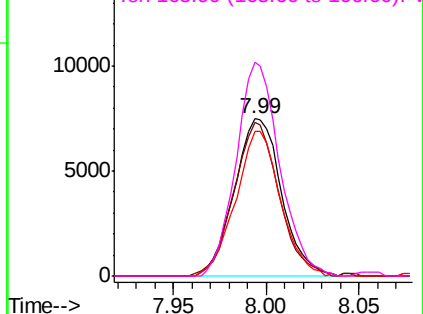
#49
 Tetrachloroethene
 Concen: 1.030 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV017600.D
 Acq: 23 Jul 2020 12:49

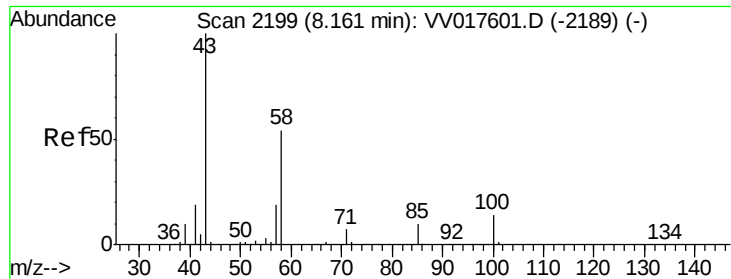
Tgt Ion:	164	Resp:	13226
Ion	Ratio	Lower	Upper
164	100		
129	97.6	65.0	120.8
131	91.7	63.6	118.2
166	135.7	91.7	170.3



Abundance

Ion 163.90 (163.60 to 164.60): VV017600.D (-2134) (-)

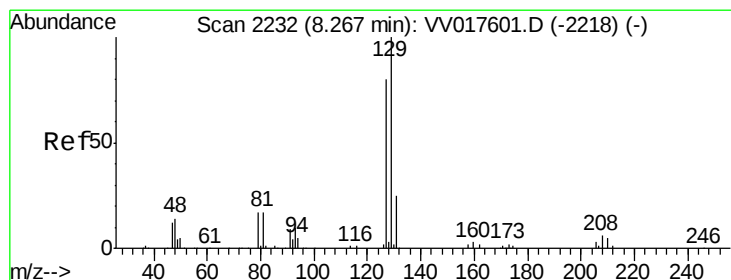
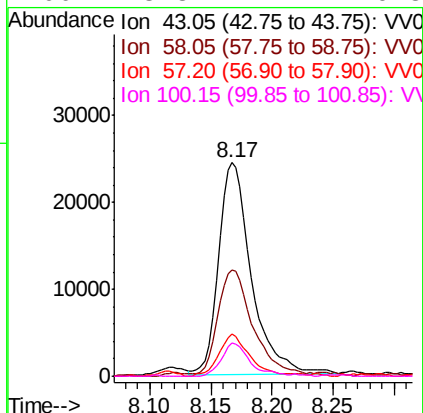
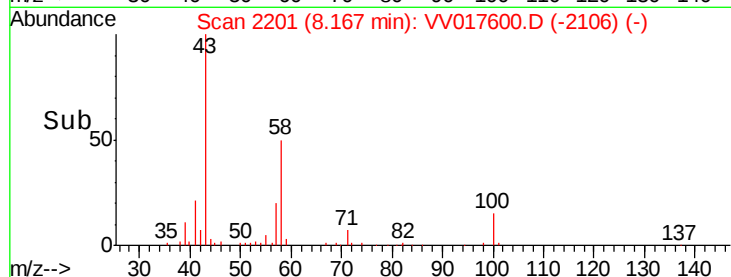
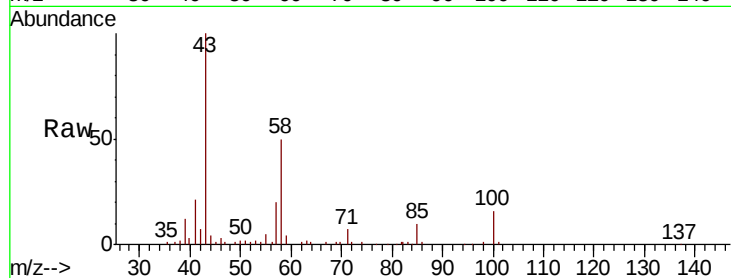




#50
2-Hexanone
Concen: 9.967 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.01 min
Lab File: VV017600.D
Acq: 23 Jul 2020 12:49

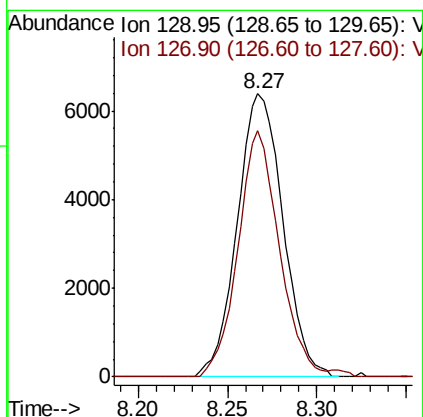
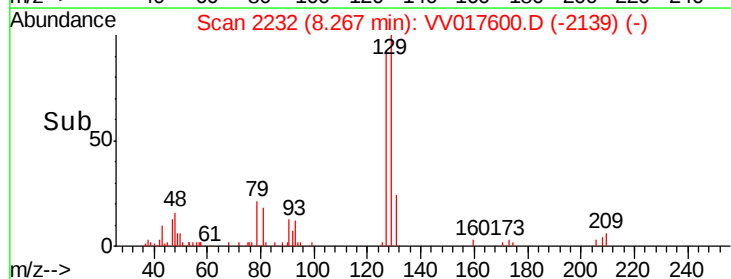
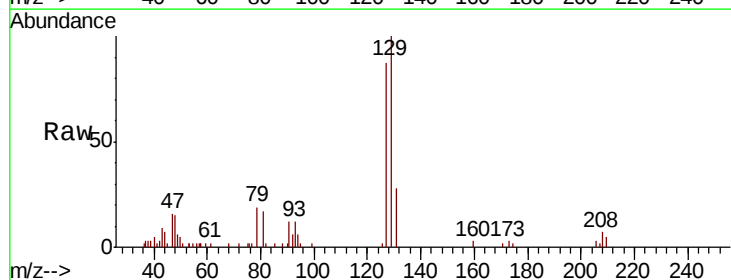
Instrument :
MSVOA_V
ClientSampleId :
VSTD00131

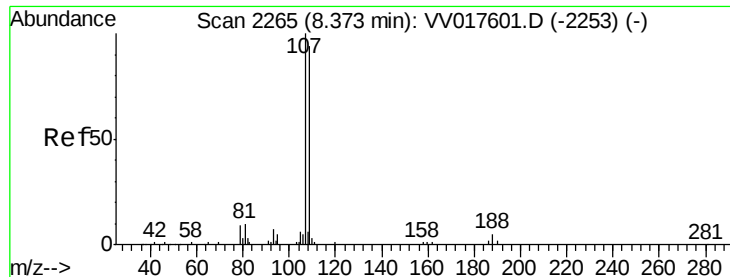
Tot Ion: 43 Resp: 45899
Ion Ratio Lower Upper
43 100
58 54.3 41.6 62.4
57 19.3 15.4 23.0
100 13.8 11.2 16.8



#51
Dibromochloromethane
Concen: 0.959 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV017600.D
Acq: 23 Jul 2020 12:49

Tgt Ion: 129 Resp: 11406
Ion Ratio Lower Upper
129 100
127 86.9 56.3 104.5

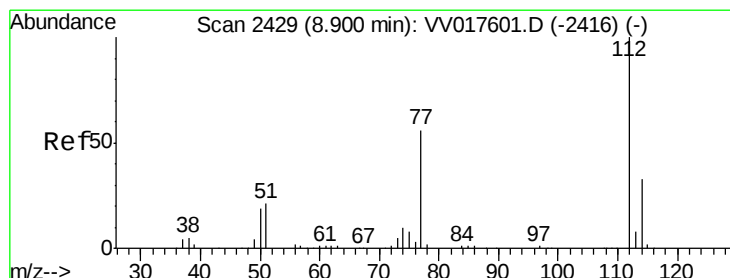
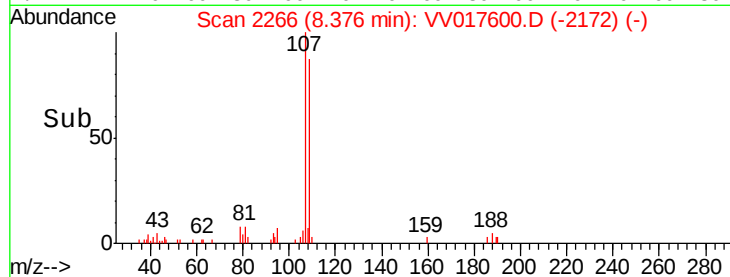
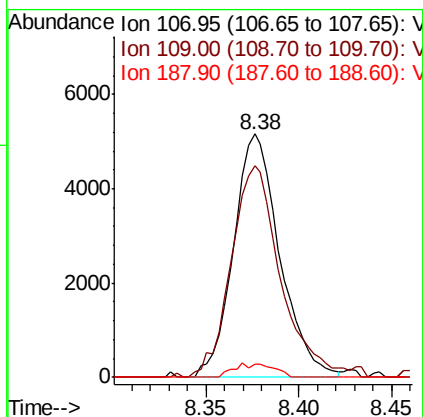
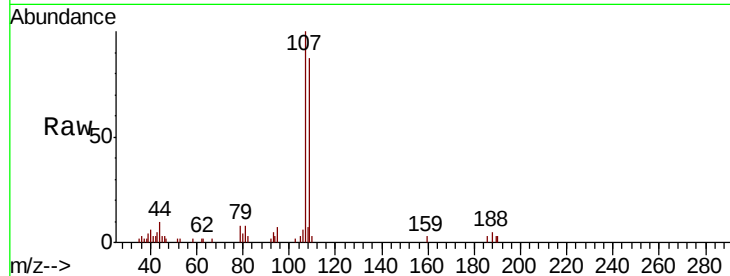




#52
 1,2-Dibromoethane
 Concen: 1.039 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. 0.00 min
 Lab File: VV017600.D
 Acq: 23 Jul 2020 12:49

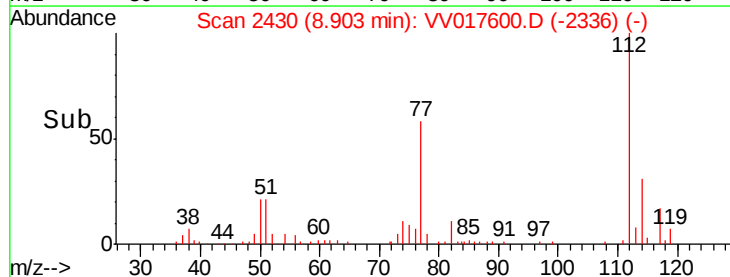
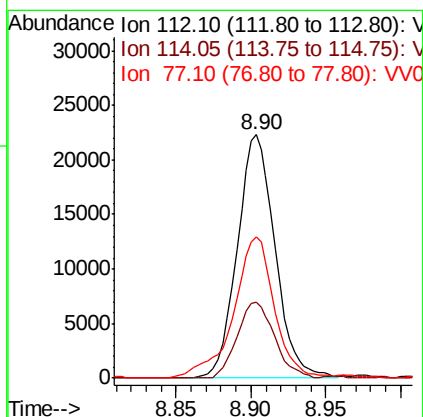
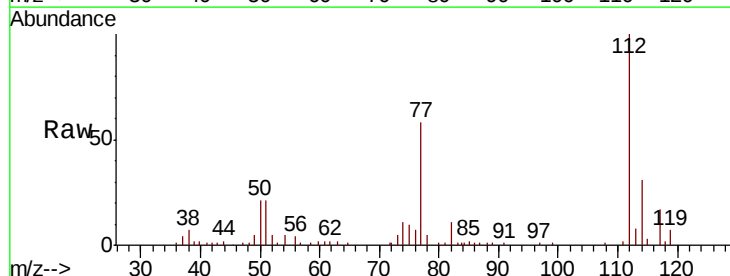
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00131

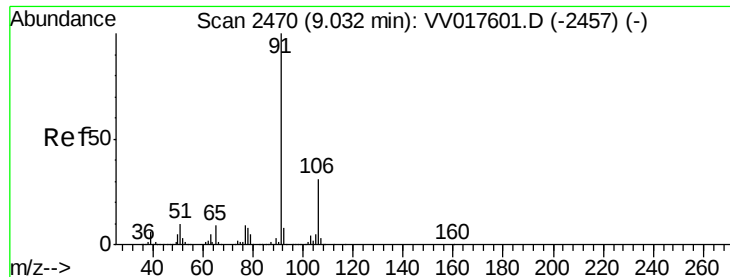
Tot Ion:107 Resp: 8930
 Ion Ratio Lower Upper
 107 100
 109 86.8 65.5 121.7
 188 5.2 3.7 5.5



#53
 Chlorobenzene
 Concen: 1.060 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV017600.D
 Acq: 23 Jul 2020 12:49

Tgt Ion:112 Resp: 39112
 Ion Ratio Lower Upper
 112 100
 114 31.3 23.2 43.2
 77 58.1 45.6 68.4





#54

Ethylbenzene

Concen: 0.995 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV017600.D

Acq: 23 Jul 2020 12:49

Instrument :

MSVOA_V

ClientSampleId :

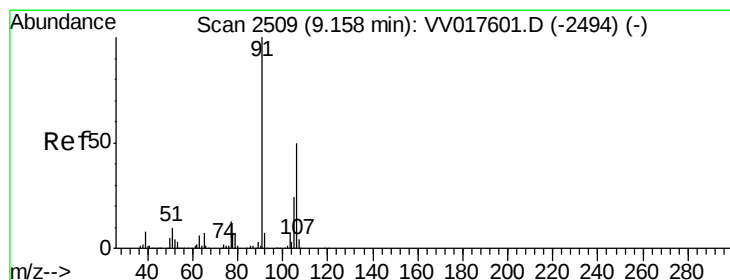
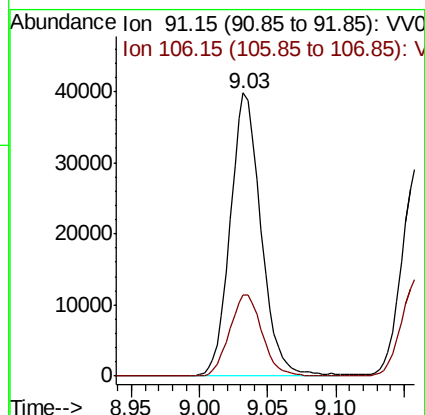
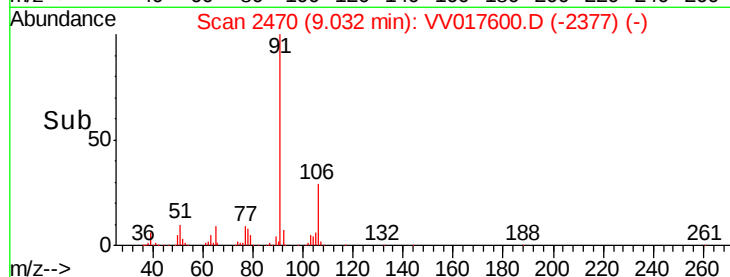
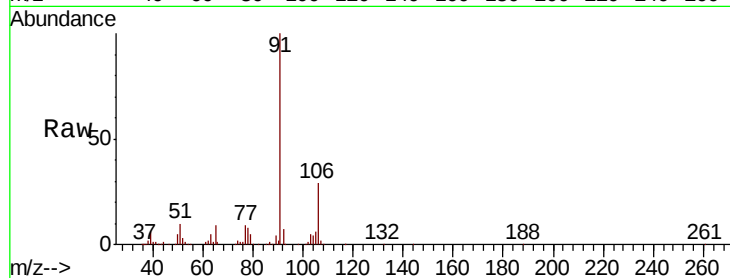
VSTD00131

Tot Ion: 91 Resp: 62524

Ion Ratio Lower Upper

91 100

106 28.6 21.6 40.2



#55

m,p-xylene

Concen: 0.962 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV017600.D

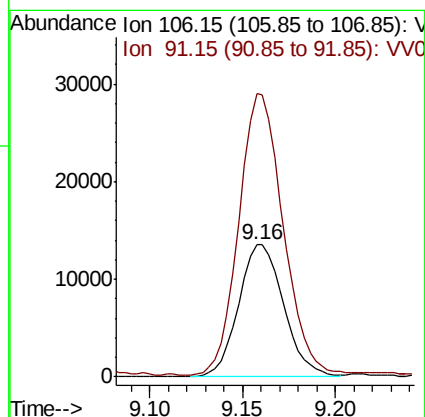
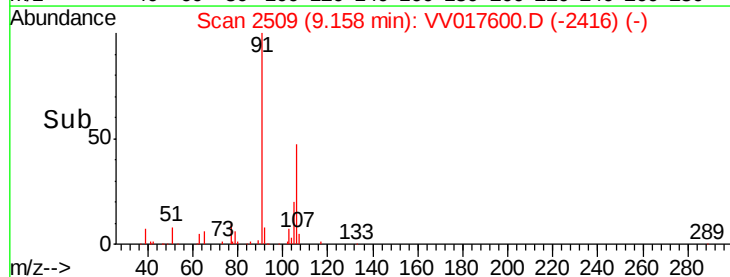
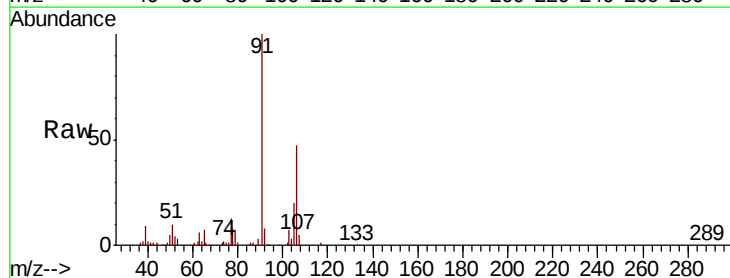
Acq: 23 Jul 2020 12:49

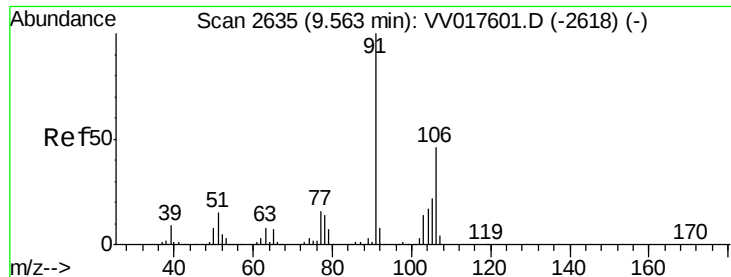
Tgt Ion: 106 Resp: 22918

Ion Ratio Lower Upper

106 100

91 214.1 141.3 262.3

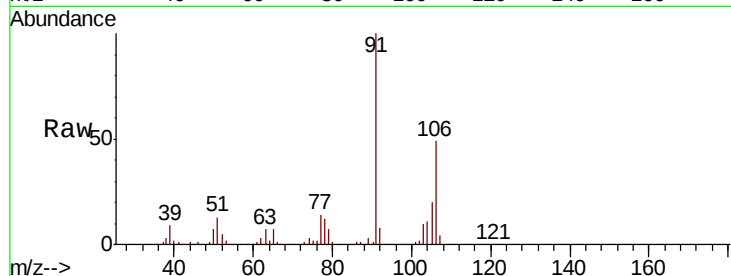




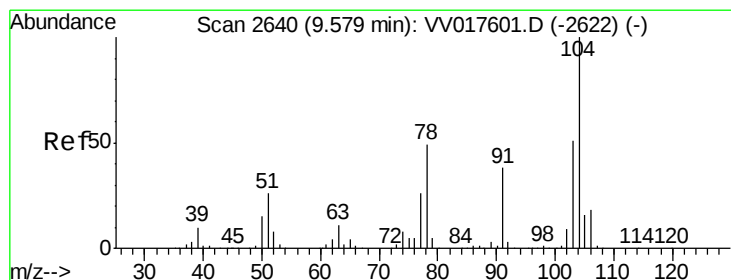
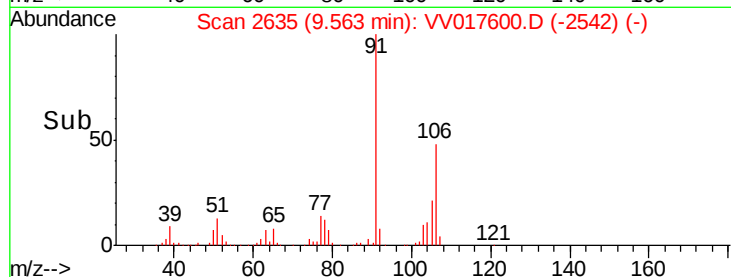
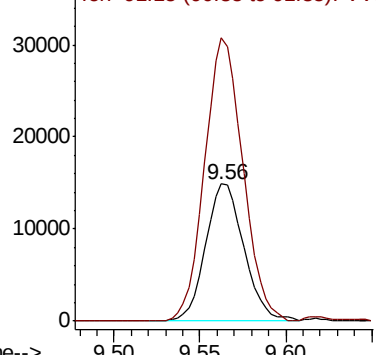
#56
o-xylene
Concen: 0.995 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV017600.D
Acq: 23 Jul 2020 12:49

Instrument :
MSVOA_V
ClientSampleId :
VSTD00131

Tot Ion:106 Resp: 23067
Ion Ratio Lower Upper
106 100
91 206.1 153.9 285.7

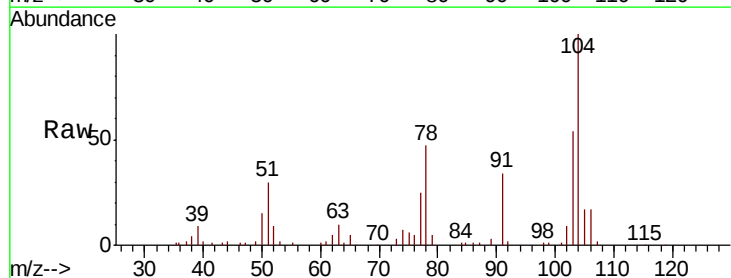


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

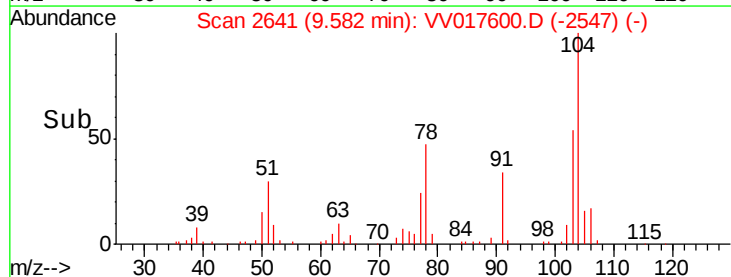
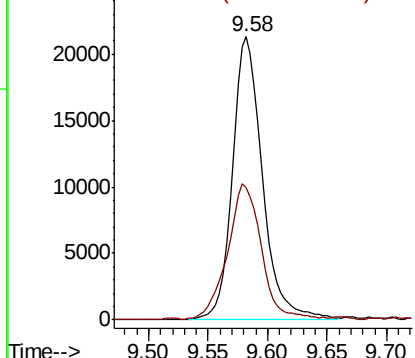


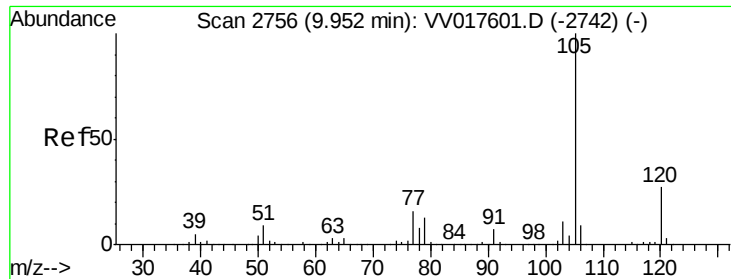
#57
Styrene
Concen: 0.963 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV017600.D
Acq: 23 Jul 2020 12:49

Tgt Ion:104 Resp: 37302
Ion Ratio Lower Upper
104 100
78 46.8 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: 0.971 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017600.D

Acq: 23 Jul 2020 12:49

Instrument :

MSVOA_V

ClientSampled :

VSTD00131

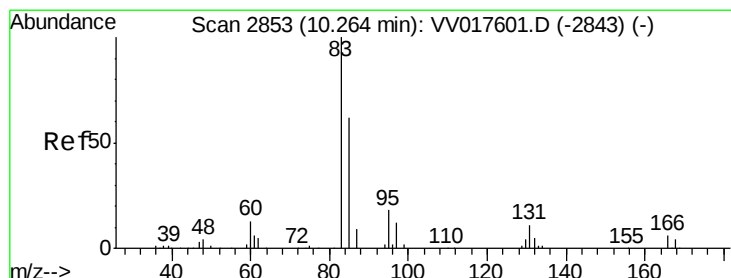
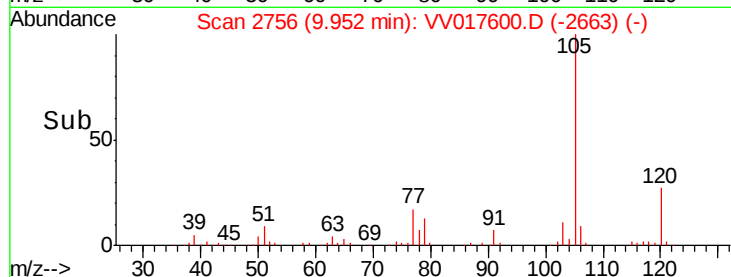
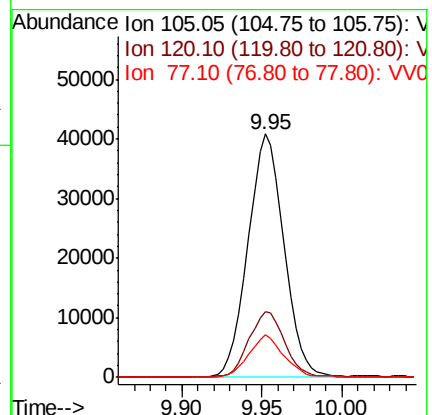
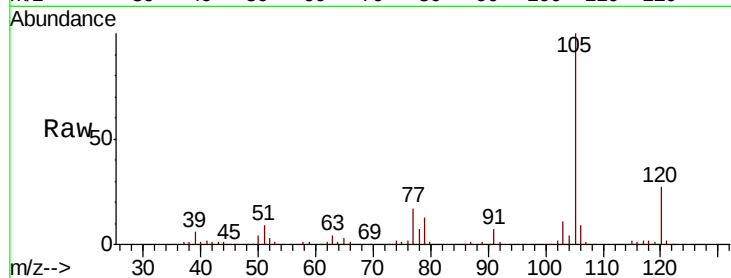
Tot Ion:105 Resp: 62884

Ion Ratio Lower Upper

105 100

120 26.8 21.1 31.7

77 17.2 13.0 19.6



#60

1,1,2,2-Tetrachloroethane

Concen: 1.118 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV017600.D

Acq: 23 Jul 2020 12:49

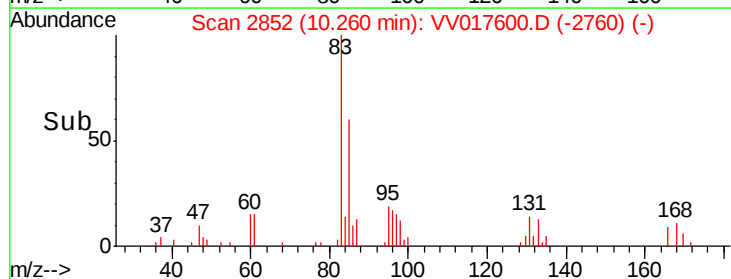
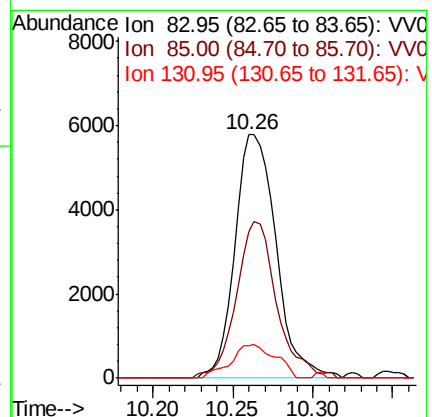
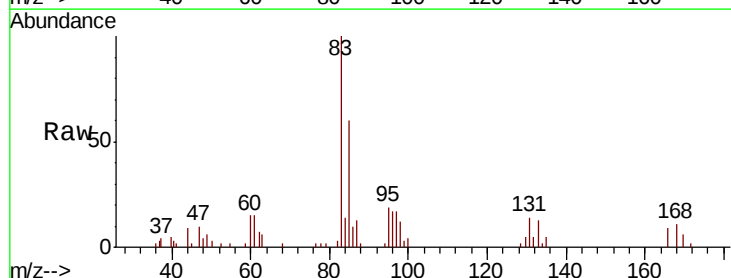
Tgt Ion: 83 Resp: 10121

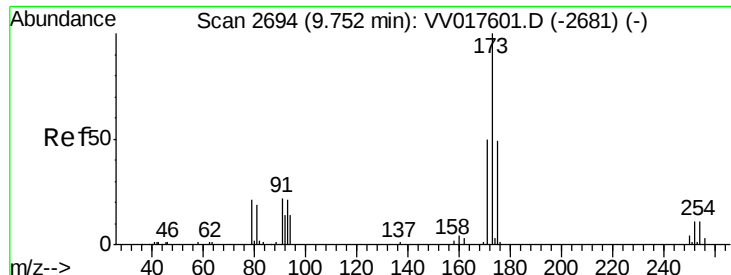
Ion Ratio Lower Upper

83 100

85 60.1 44.4 82.5

131 13.5 9.2 13.8





#62

Bromoform

Concen: 0.907 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV017600.D

Acq: 23 Jul 2020 12:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD00131

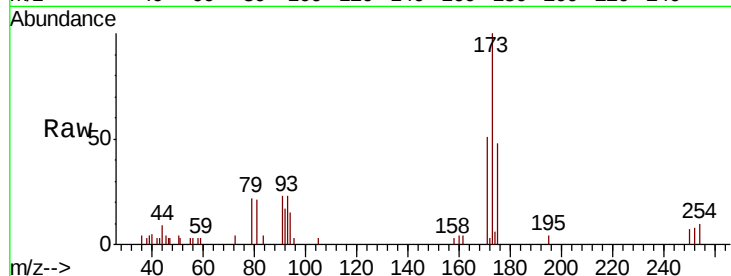
Tot Ion:173 Resp: 6048

Ion Ratio Lower Upper

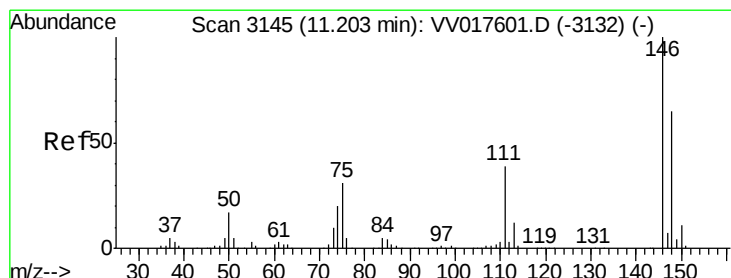
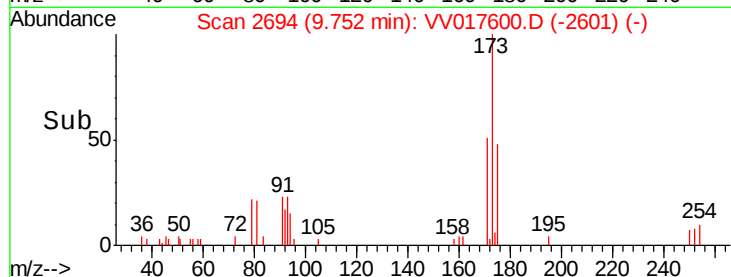
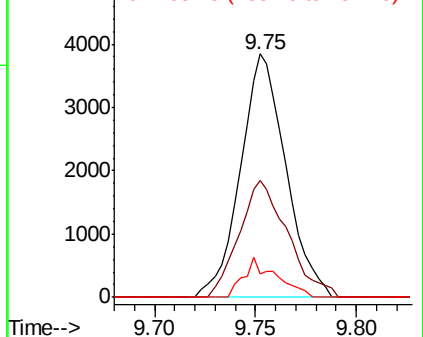
173 100

175 51.2 39.6 59.4

254 11.8 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: 1.024 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV017600.D

Acq: 23 Jul 2020 12:49

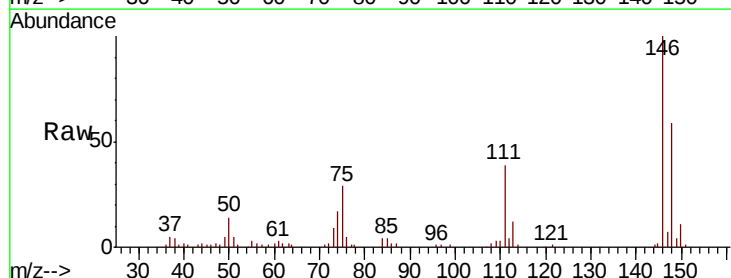
Tgt Ion:146 Resp: 32689

Ion Ratio Lower Upper

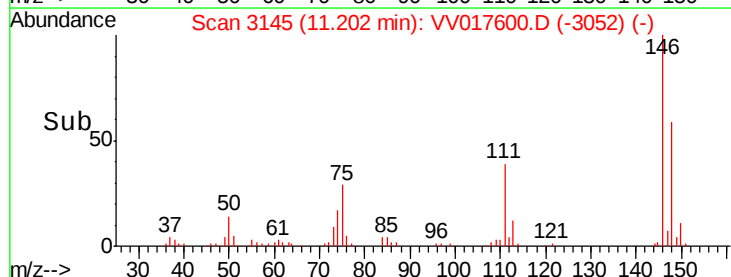
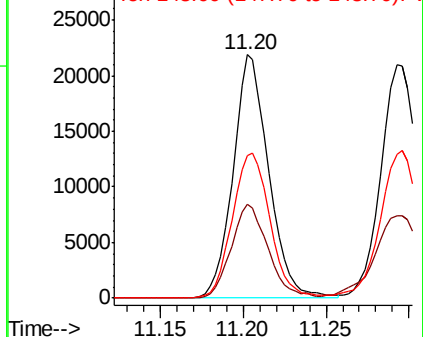
146 100

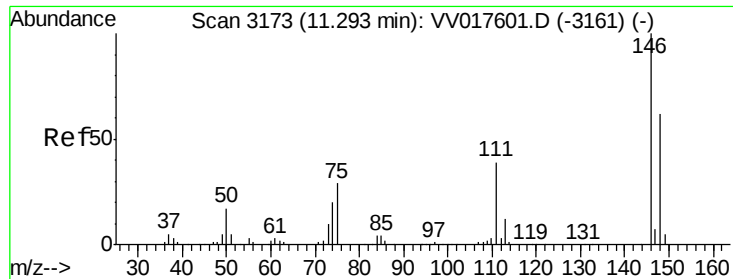
111 38.7 27.3 50.7

148 58.7 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

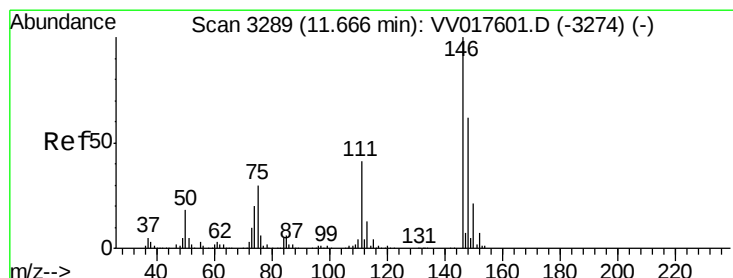
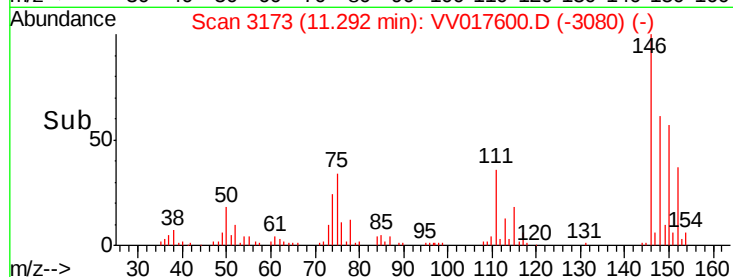
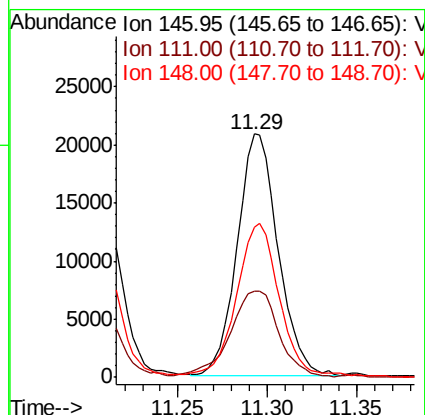
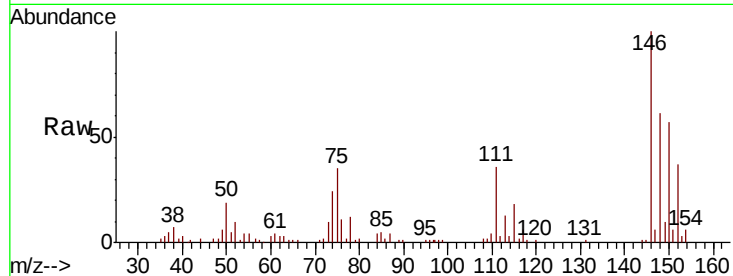




#64
 1,4-Dichlorobenzene
 Concen: 1.051 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV017600.D
 Acq: 23 Jul 2020 12:49

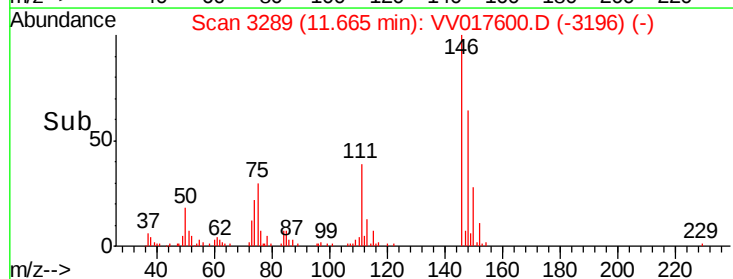
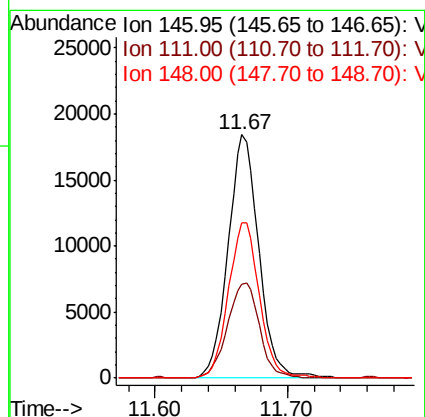
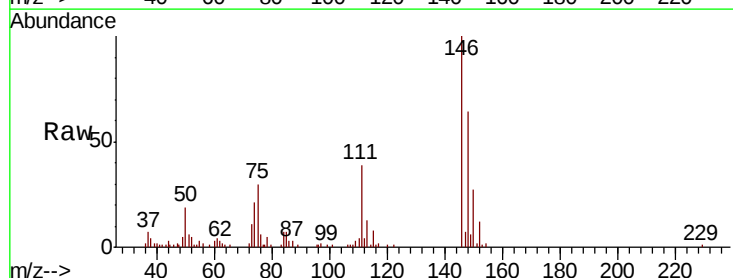
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00131

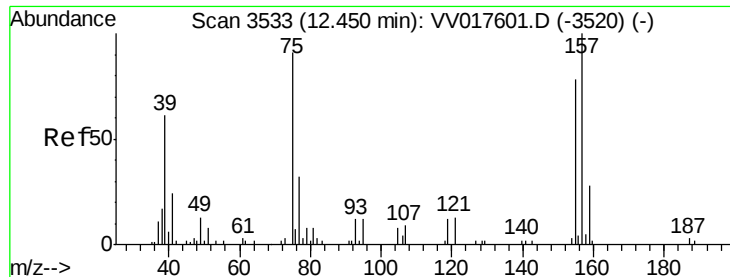
Tot Ion:146 Resp: 33368
 Ion Ratio Lower Upper
 146 100
 111 35.6 27.4 51.0
 148 61.5 43.8 81.4



#66
 1,2-Dichlorobenzene
 Concen: 1.021 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV017600.D
 Acq: 23 Jul 2020 12:49

Tgt Ion:146 Resp: 29729
 Ion Ratio Lower Upper
 146 100
 111 38.7 33.0 49.4
 148 63.7 49.9 74.9





#67

1,2-Dibromo-3-chloropropane

Concen: 0.961 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV017600.D

Acq: 23 Jul 2020 12:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD00131

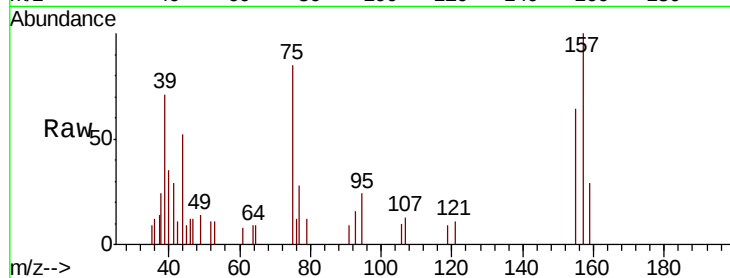
Tot Ion: 75 Resp: 1750

Ion Ratio Lower Upper

75 100

155 75.5 68.7 103.1

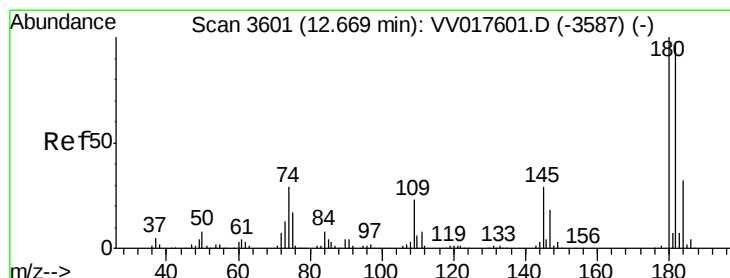
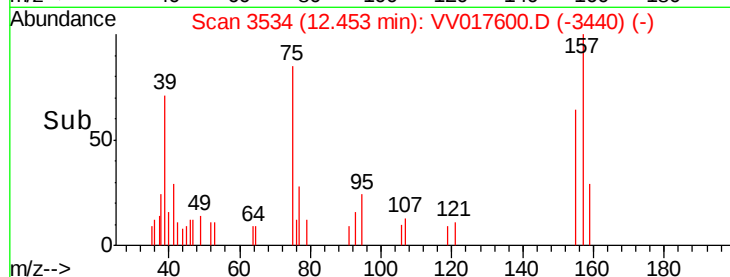
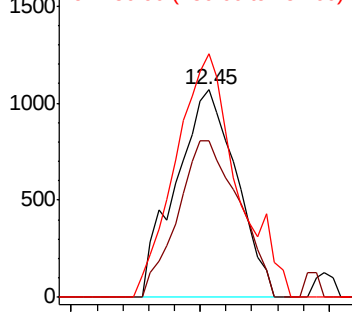
157 117.4 87.8 131.8



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V



#68

1,3,5-Trichlorobenzene

Concen: 0.993 ug/L

RT: 12.67 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VV017600.D

Acq: 23 Jul 2020 12:49

Tgt Ion:180 Resp: 25718

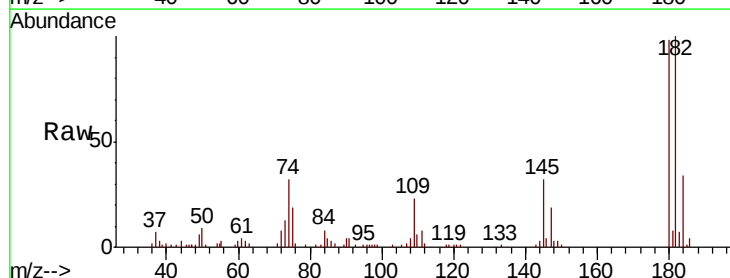
Ion Ratio Lower Upper

180 100

182 99.6 77.1 115.7

184 31.8 25.2 37.8

145 31.9 24.1 36.1

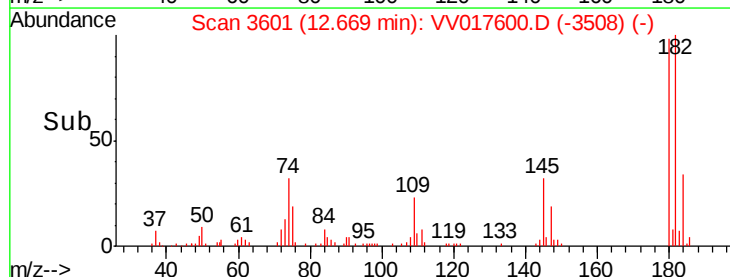
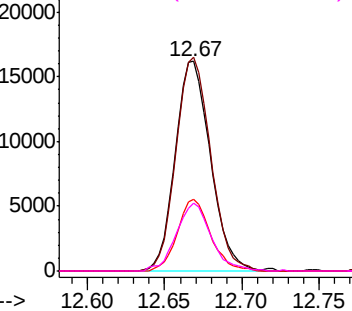


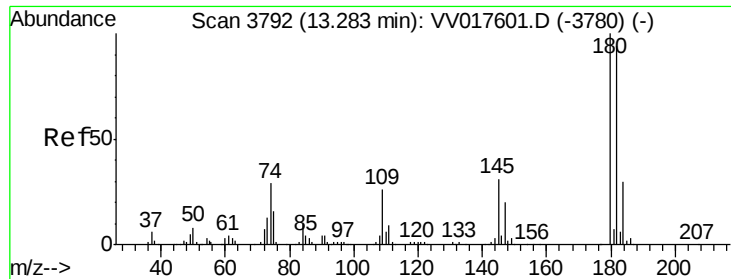
Abundance Ion 180.00 (179.70 to 180.70): V

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

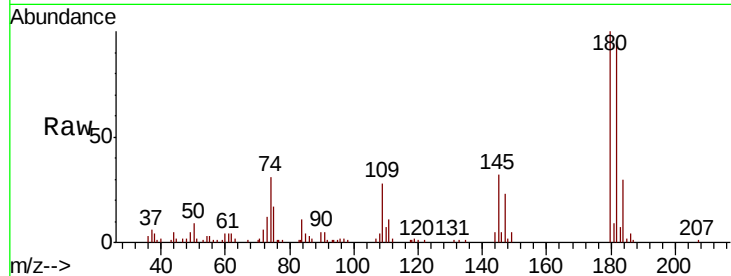




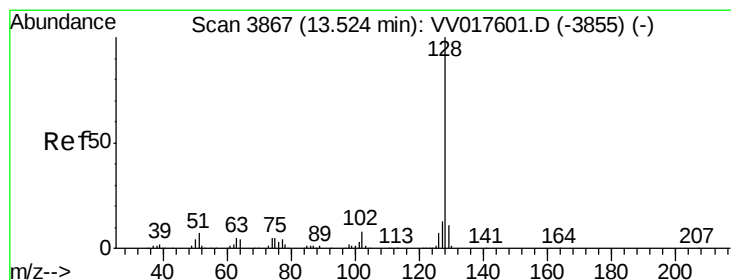
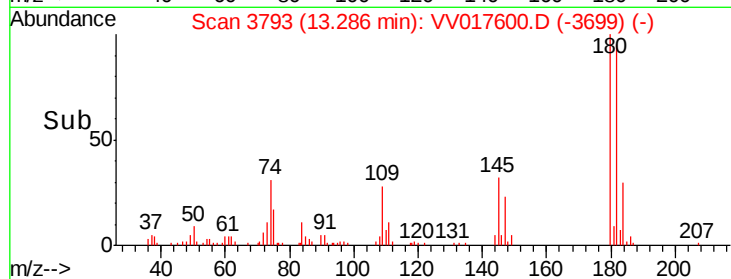
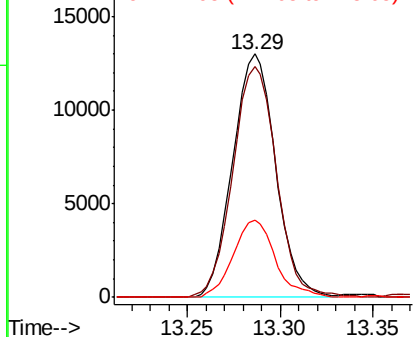
#69
 1,2,4-trichlorobenzene
 Concen: 0.973 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV017600.D
 Acq: 23 Jul 2020 12:49

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00131

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	75.4	113.2
145	31.1	24.2	36.2

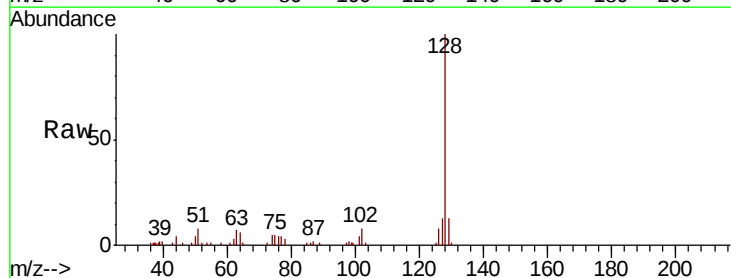


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

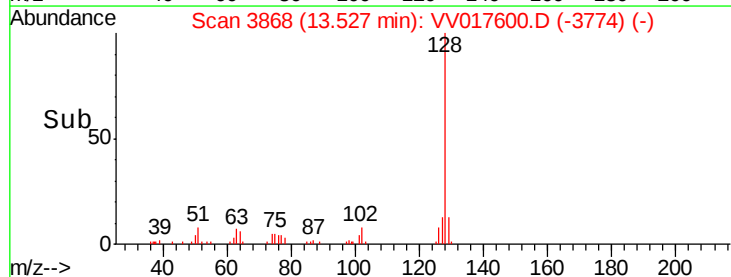
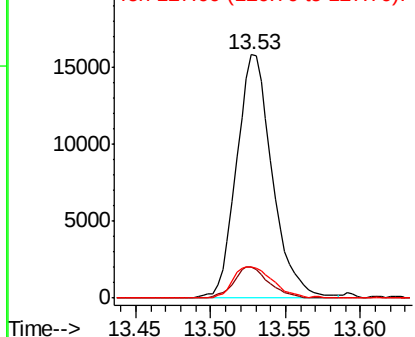


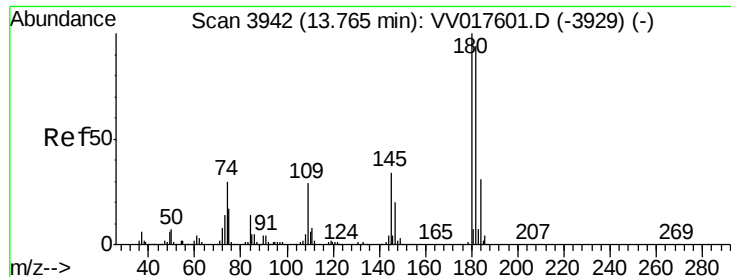
#70
 Naphthalene
 Concen: 0.866 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. 0.00 min
 Lab File: VV017600.D
 Acq: 23 Jul 2020 12:49

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.6	9.1	13.7
127	14.2	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: 0.999 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV017600.D
 Acq: 23 Jul 2020 12:49

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00131

Tot Ion:	180	Resp:	18556
Ion	Ratio	Lower	Upper
180	100		
182	93.5	74.2	111.4
145	34.1	26.0	39.0

