

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072320\
 Data File : VV017603.D
 Acq On : 23 Jul 2020 14:07
 Operator : SY/MD
 Sample : VSTD02034
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02034

Quant Time: Jul 24 01:07:07 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	206621	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	197508	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	113219	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	185366	16.15	ug/L	0.00
7) Chloroethane-d5	1.58	69	145668	15.91	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	408542	16.08	ug/L	0.00
20) 2-Butanone-d5	3.94	46	476960	195.96	ug/L	0.00
24) Chloroform-d	4.37	84	466607	17.85	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	234129	17.06	ug/L	0.00
32) Benzene-d6	5.07	84	846559	19.15	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	234691	19.05	ug/L	0.00
41) Toluene-d8	7.34	98	831109	19.31	ug/L	0.00
45) trans-1,3-Dichloropropene-	7.64	79	111676	18.78	ug/L	0.00
48) 2-Hexanone-d5	8.11	63	384630	215.97	ug/L	0.00
59) 1,1,2,2-Tetrachloroethane-	10.24	84	167308	18.95	ug/L	0.00
65) 1,2-Dichlorobenzene-d4	11.65	152	319625	17.01	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	403585	16.707 ug/L	99
3) Chloromethane	1.25	50	271532	16.705 ug/L	93
5) Vinyl chloride	1.32	62	271140	16.621 ug/L	100
6) Bromomethane	1.53	94	175985	17.643 ug/L	100
8) Chloroethane	1.60	64	157106	16.680 ug/L	96
9) Trichlorofluoromethane	1.76	101	476059	15.994 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	219649	15.858 ug/L	97
12) 1,1-Dichloroethene	2.13	96	202799	16.560 ug/L	90
13) Acetone	2.24	43	346499	188.878 ug/L	91
14) Carbon disulfide	2.31	76	625892	16.707 ug/L	97
15) Methyl Acetate	2.46	43	75794	20.737 ug/L #	85
16) Methylene chloride	2.52	84	207134	14.056 ug/L	94
17) Methyl tert-butyl Ether	2.79	73	534986	17.450 ug/L	98
18) trans-1,2-Dichloroethene	2.77	96	219562	16.802 ug/L	94
19) 1,1-Dichloroethane	3.21	63	494111	19.232 ug/L	97
21) 2-Butanone	4.03	43	624516	217.832 ug/L	100
22) cis-1,2-Dichloroethene	3.94	96	289100	19.697 ug/L	99
23) Bromochloromethane	4.27	128	131373	19.983 ug/L	92
25) Chloroform	4.40	83	532597	19.103 ug/L	97
27) 1,2-Dichloroethane	5.16	62	347027	18.998 ug/L	98
29) 1,1,1-Trichloroethane	4.63	97	521190	18.894 ug/L	98
30) Cyclohexane	4.70	56	418258	19.515 ug/L	99
31) Carbon tetrachloride	4.85	117	472696	18.617 ug/L	100
33) Benzene	5.12	78	1063768	20.230 ug/L	100
34) Trichloroethene	5.94	95	295839	18.725 ug/L	99
35) Methylcyclohexane	6.15	83	456280	19.265 ug/L	99
37) 1,2-Dichloropropane	6.20	63	254202	20.600 ug/L	98
38) Bromodichloromethane	6.53	83	377119	20.191 ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	417781	21.623 ug/L	97
40) 4-Methyl-2-pentanone	7.25	43	1460219	222.177 ug/L	99

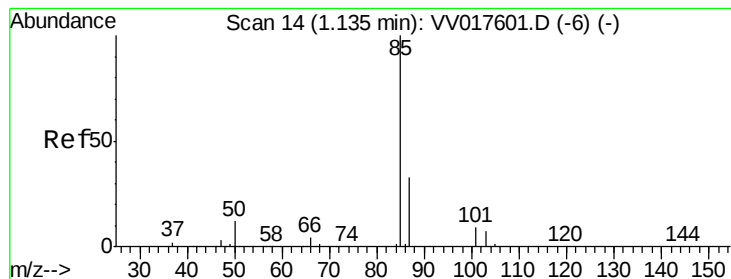
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072320\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 24 01:03:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	1192468	20.574	ug/L	100
43) 1,3,5-Trimethylbenzene	10.56	105	1228778	21.581	ug/L	99
44) 1,2,4-Trimethylbenzene	10.94	105	1255362	22.067	ug/L	100
46) trans-1,3-Dichloropropene	7.67	75	368158	21.491	ug/L	100
47) 1,1,2-Trichloroethane	7.86	97	182276	19.680	ug/L	94
49) Tetrachloroethene	7.99	164	258597	19.187	ug/L	99
50) 2-Hexanone	8.16	43	1054878	218.192	ug/L	97
51) Dibromochloromethane	8.27	129	258859	20.738	ug/L	97
52) 1,2-Dibromoethane	8.37	107	175497	19.453	ug/L	98
53) Chlorobenzene	8.90	112	772998	19.955	ug/L	98
54) Ethylbenzene	9.03	91	1372202	20.799	ug/L	100
55) m,p-xylene	9.16	106	525235	21.000	ug/L	96
56) o-xylene	9.56	106	500952	20.581	ug/L	99
57) Styrene	9.58	104	869308	21.371	ug/L	100
58) Isopropylbenzene	9.95	105	1399102	20.570	ug/L	100
60) 1,1,2,2-Tetrachloroethane	10.26	83	207278	21.820	ug/L	100
62) Bromoform	9.75	173	146969	19.874	ug/L	98
63) 1,3-Dichlorobenzene	11.20	146	686038	19.373	ug/L	99
64) 1,4-Dichlorobenzene	11.29	146	683778	19.418	ug/L	98
66) 1,2-Dichlorobenzene	11.67	146	624446	19.351	ug/L	98
67) 1,2-Dibromo-3-chloropropan	12.45	75	42907	21.249	ug/L	94
68) 1,3,5-Trichlorobenzene	12.67	180	576384	20.068	ug/L	99
69) 1,2,4-trichlorobenzene	13.28	180	503738	21.145	ug/L	99
70) Naphthalene	13.52	128	781465	23.150	ug/L	99
71) 1,2,3-Trichlorobenzene	13.77	180	433061	21.036	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 16.707 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017603.D

Acq: 23 Jul 2020 14:07

Instrument :

MSVOA_V

ClientSampleId :

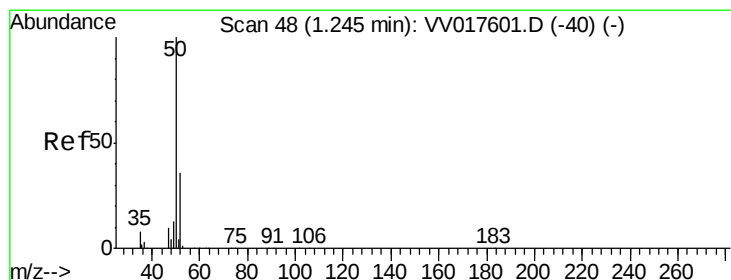
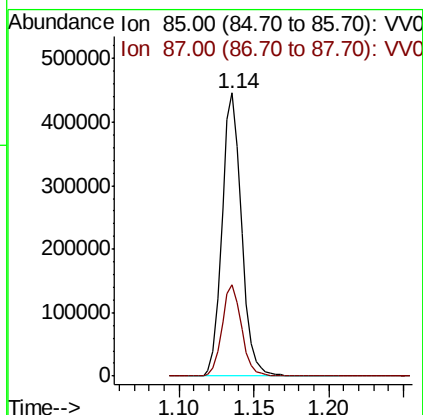
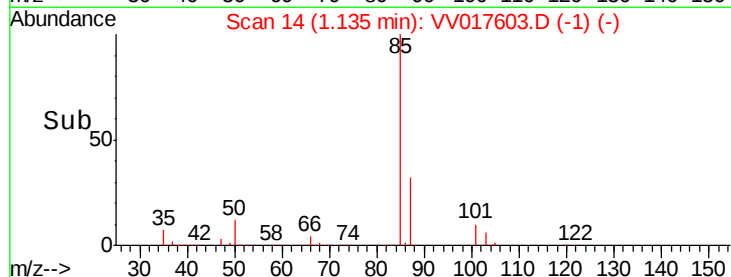
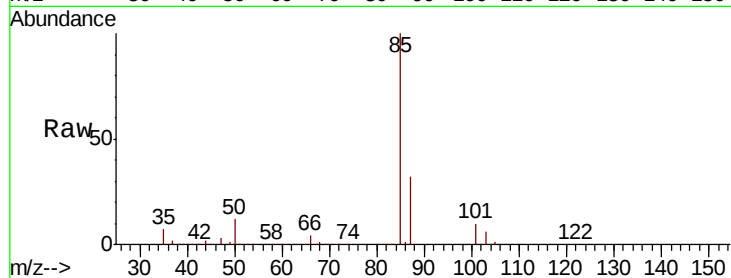
VSTD02034

Tot Ion: 85 Resp: 403585

Ion Ratio Lower Upper

85 100

87 32.3 26.4 39.6



#3

Chloromethane

Concen: 16.705 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017603.D

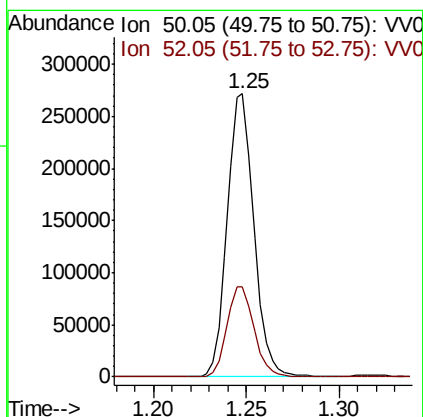
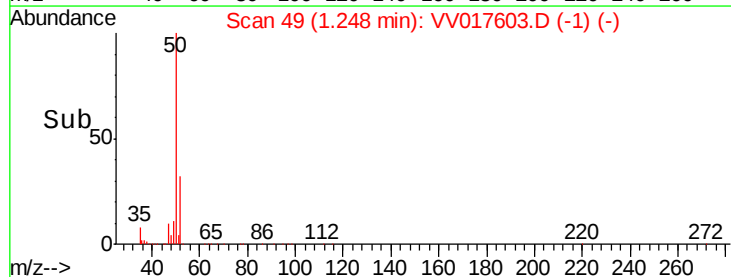
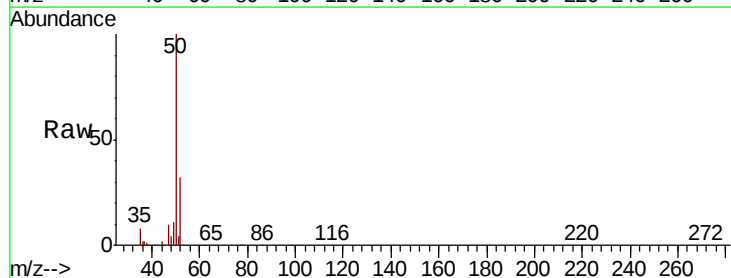
Acq: 23 Jul 2020 14:07

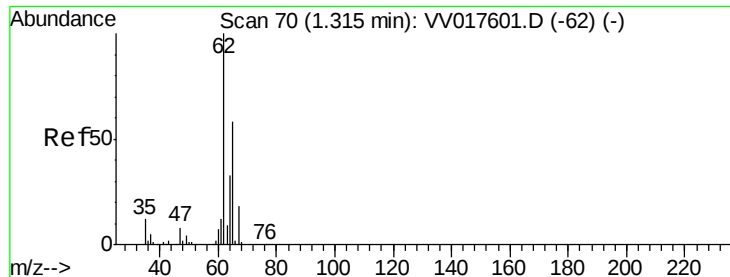
Tgt Ion: 50 Resp: 271532

Ion Ratio Lower Upper

50 100

52 31.9 25.1 46.5





#5

Vinyl chloride

Concen: 16.621 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV017603.D

Acq: 23 Jul 2020 14:07

Instrument :

MSVOA_V

ClientSampleId :

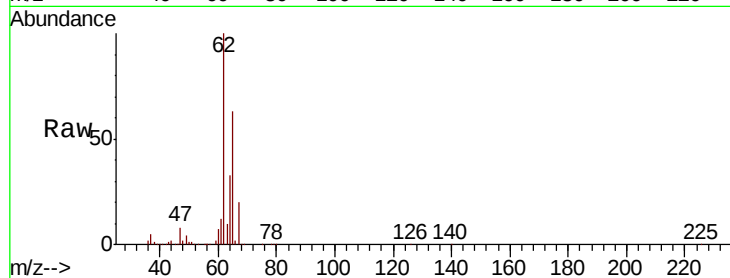
VSTD02034

Tot Ion: 62 Resp: 271140

Ion Ratio Lower Upper

62 100

64 32.7 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VV017603.D (-62) (-)

Ion 64.10 (63.80 to 64.80): VV017603.D (-62) (-)

1.32

250000

200000

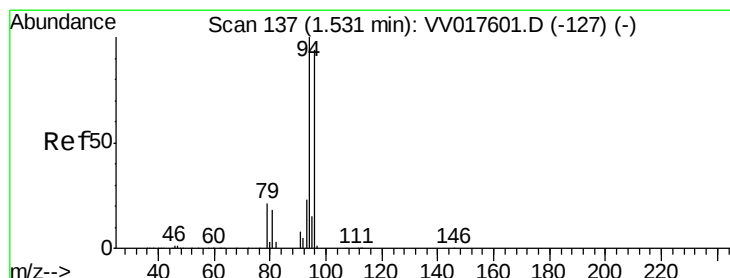
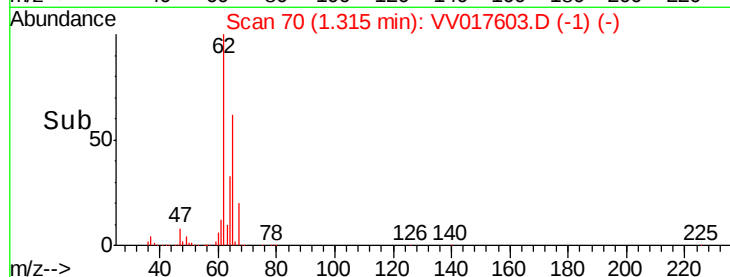
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40 1.45



#6

Bromomethane

Concen: 17.643 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV017603.D

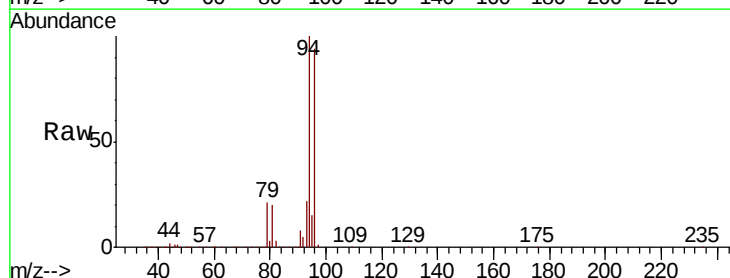
Acq: 23 Jul 2020 14:07

Tgt Ion: 94 Resp: 175985

Ion Ratio Lower Upper

94 100

96 93.9 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VV017603.D (-127) (-)

Ion 96.00 (95.70 to 96.70): VV017603.D (-127) (-)

1.53

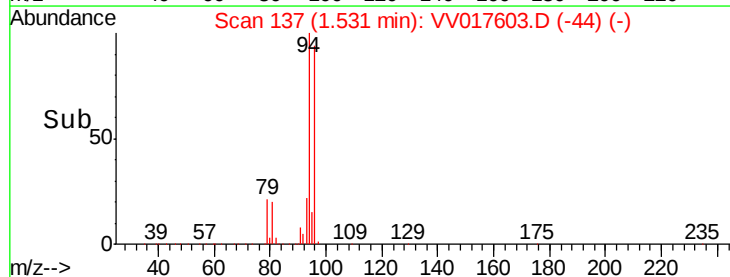
150000

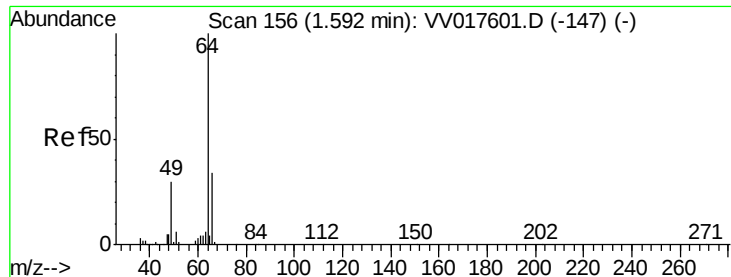
100000

50000

0

Time--> 1.45 1.50 1.55 1.60





#8

Chloroethane

Concen: 16.680 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV017603.D

Acq: 23 Jul 2020 14:07

Instrument :

MSVOA_V

ClientSampleId :

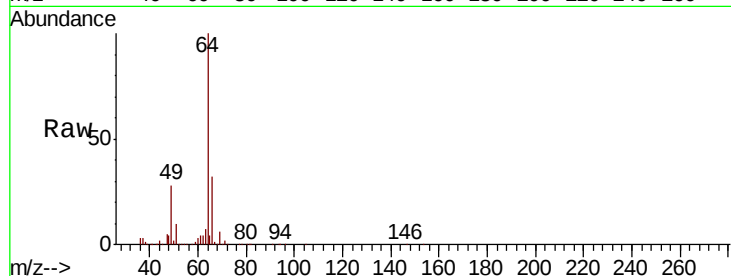
VSTD02034

Tot Ion: 64 Resp: 157106

Ion Ratio Lower Upper

64 100

66 32.2 24.0 44.6



Abundance Ion 64.10 (63.80 to 64.80): VV017603.D (-63) (-)

Ion 66.05 (65.75 to 66.75): VV017603.D (-63) (-)

1.60

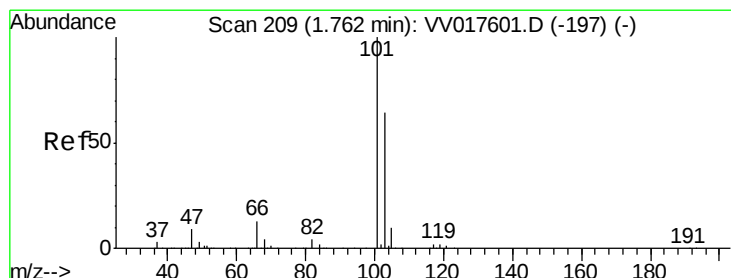
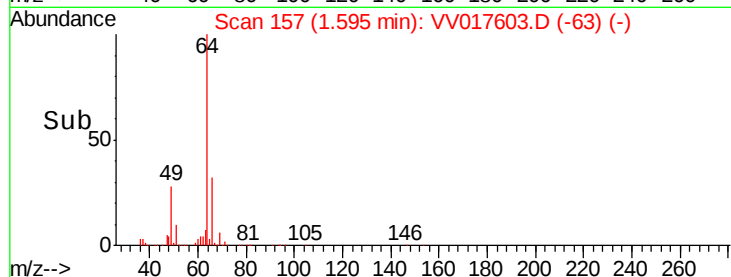
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 15.994 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV017603.D

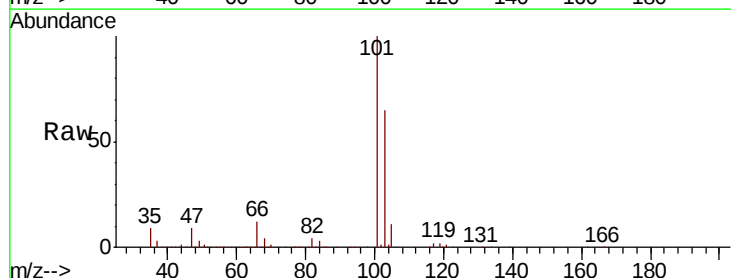
Acq: 23 Jul 2020 14:07

Tgt Ion: 101 Resp: 476059

Ion Ratio Lower Upper

101 100

103 64.8 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): VV017603.D (-116) (-)

Ion 103.00 (102.70 to 103.70): VV017603.D (-116) (-)

1.76

400000

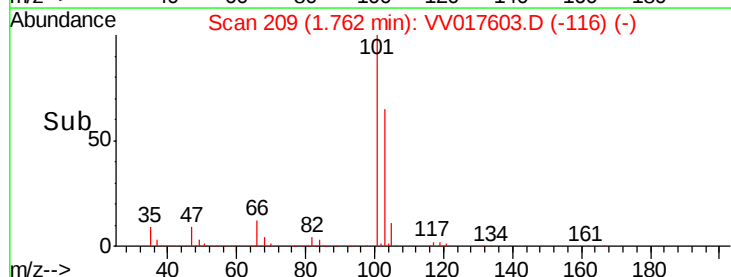
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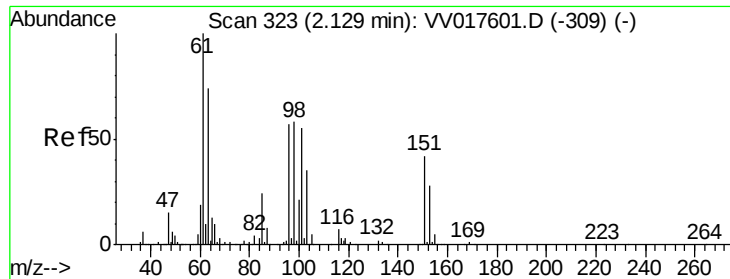
200000

100000

0

Time-->





#10

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

Concen: 15.858 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017603.D

Acq: 23 Jul 2020 14:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD02034

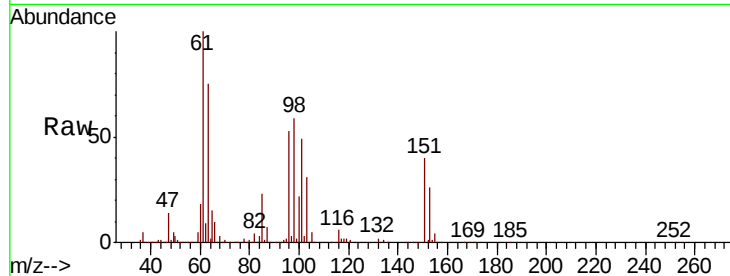
Tot Ion:101 Resp: 219649

Ion Ratio Lower Upper

101 100

85 45.4 34.6 51.8

151 81.6 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) (-)

2.13

150000

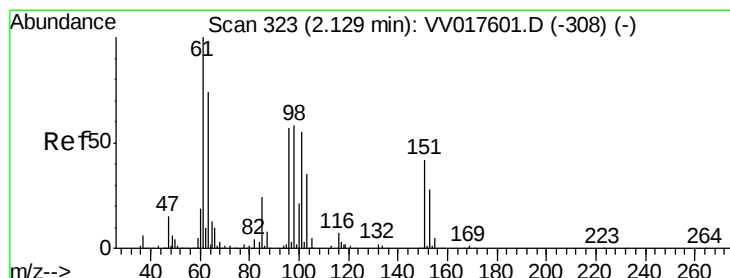
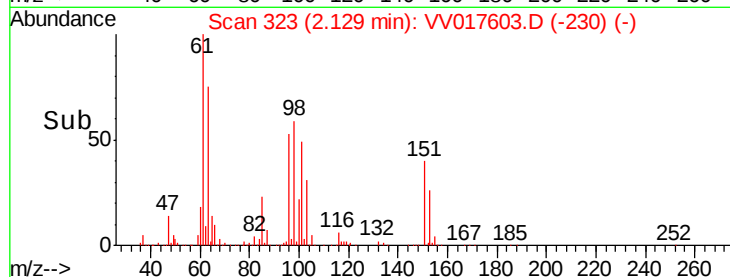
100000

50000

0

Time-->

2.05 2.10 2.15 2.20



#12

1,1-Dichloroethene

Concen: 16.560 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017603.D

Acq: 23 Jul 2020 14:07

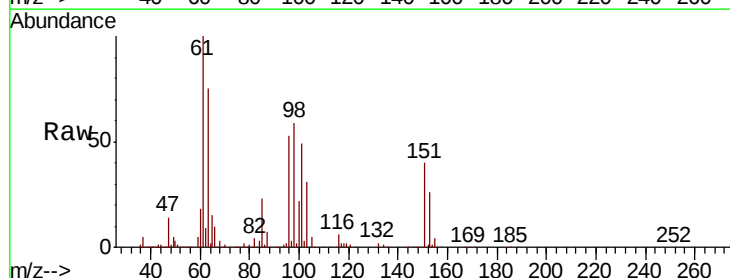
Tgt Ion: 96 Resp: 202799

Ion Ratio Lower Upper

96 100

61 189.4 123.1 228.7

63 141.6 91.2 169.4



Abundance Ion 96.00 (95.70 to 96.70): VV017603.D (-230) (-)

Ion 61.05 (60.75 to 61.75): VV017603.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV017603.D (-230) (-)

2.13

300000

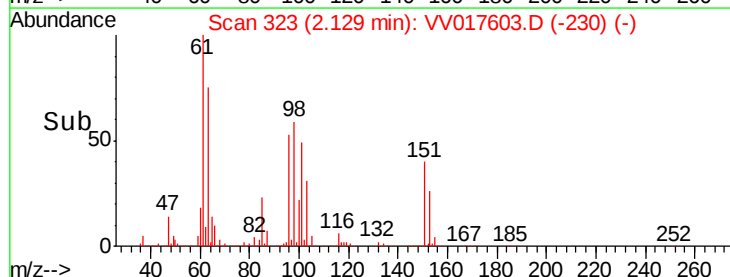
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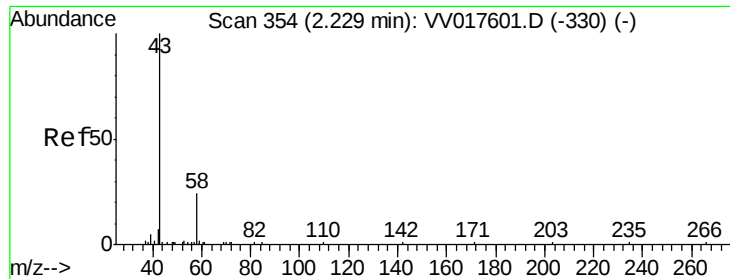
100000

0

Time-->

2.05 2.10 2.15 2.20





#13

Acetone

Concen: 188.878 ug/L

RT: 2.24 min Scan# 356

Delta R.T. 0.01 min

Lab File: VV017603.D

Acq: 23 Jul 2020 14:07

Instrument :

MSVOA_V

ClientSampleId :

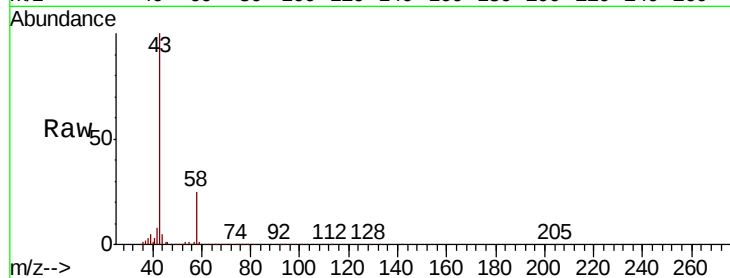
VSTD02034

Tot Ion: 43 Resp: 346499

Ion Ratio Lower Upper

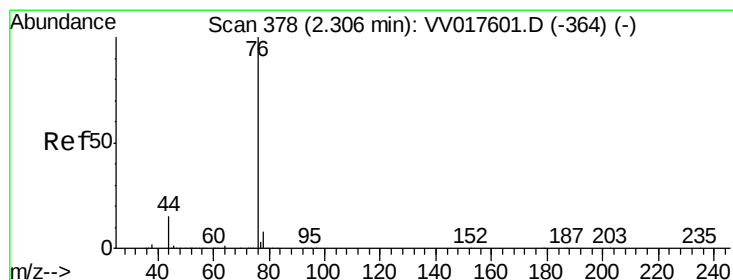
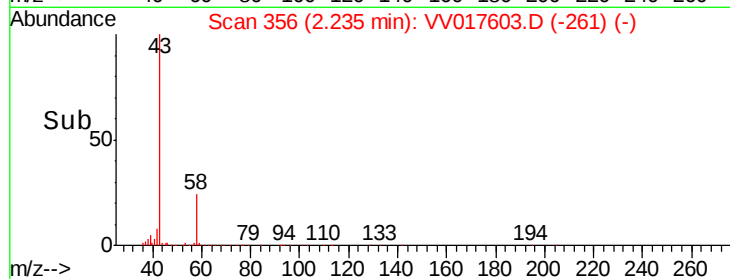
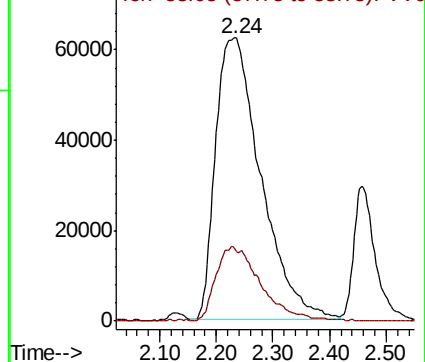
43 100

58 12.5 0.0 18.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 16.707 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV017603.D

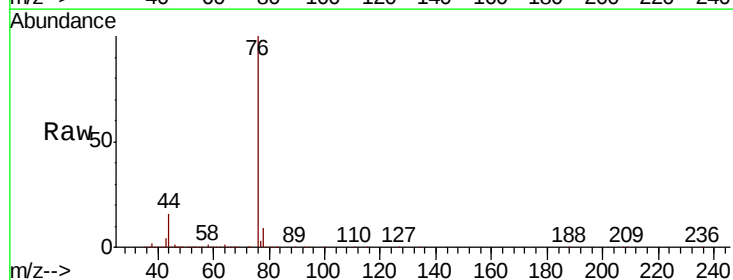
Acq: 23 Jul 2020 14:07

Tgt Ion: 76 Resp: 625892

Ion Ratio Lower Upper

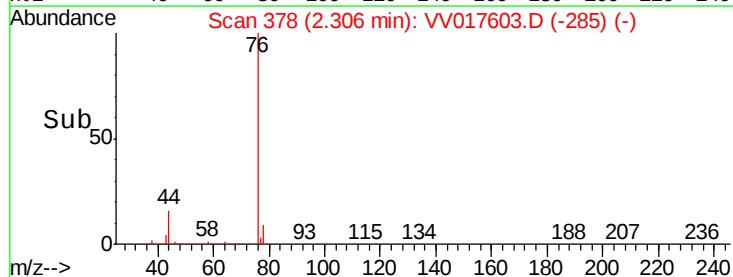
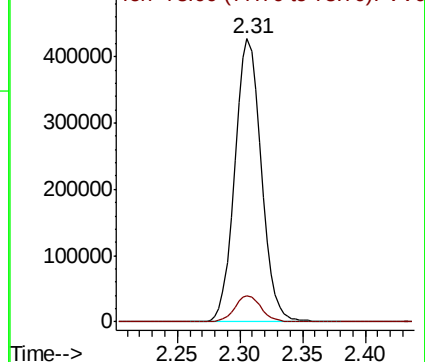
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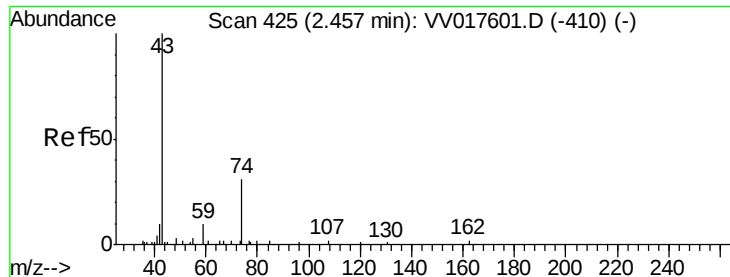
78 9.3 6.6 10.0



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

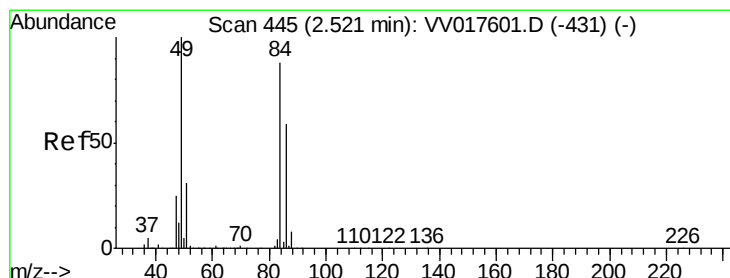
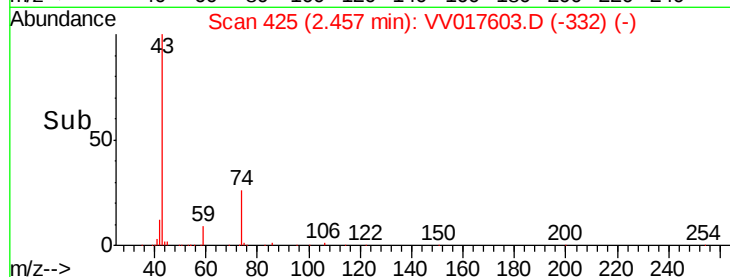
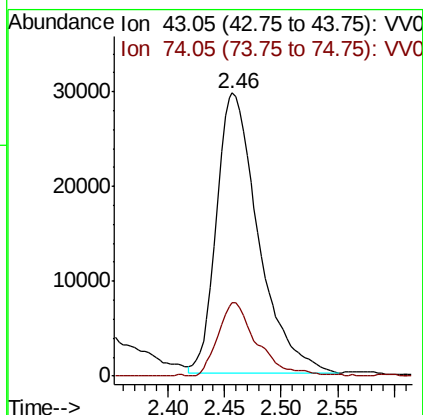
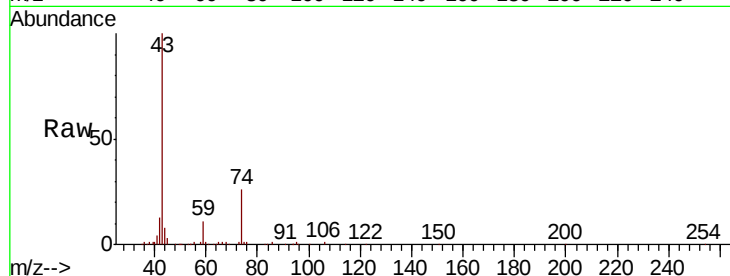




#15
Methvl Acetate
Concen: 20.737 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.00 min
Lab File: VV017603.D
Acq: 23 Jul 2020 14:07

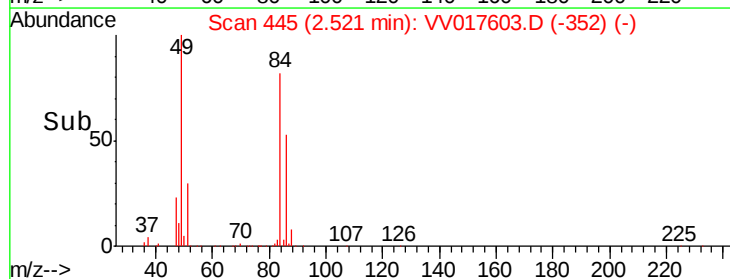
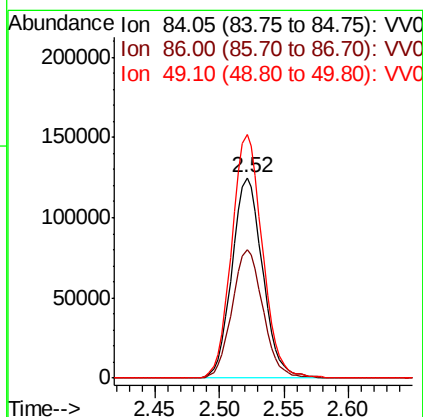
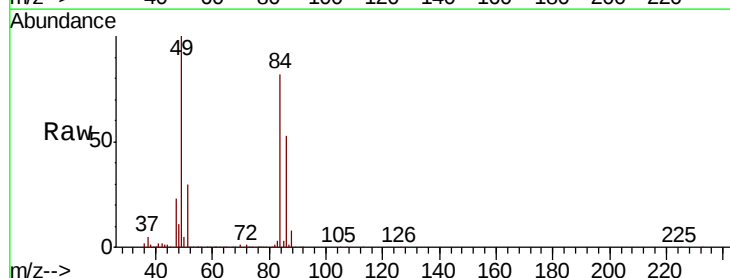
Instrument :
MSVOA_V
ClientSampleId :
VSTD02034

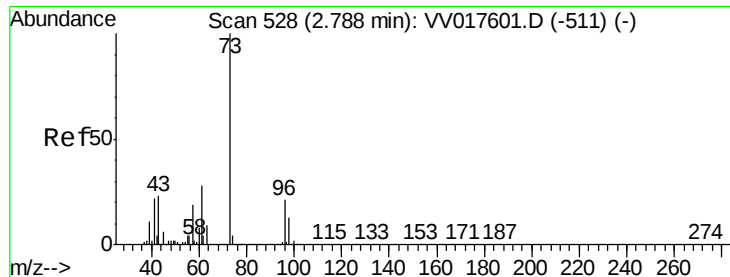
Tot Ion: 43 Resp: 75794
Ion Ratio Lower Upper
43 100
74 24.6 26.6 40.0#



#16
Methylene chloride
Concen: 14.056 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV017603.D
Acq: 23 Jul 2020 14:07

Tgt Ion: 84 Resp: 207134
Ion Ratio Lower Upper
84 100
86 64.1 46.5 86.3
49 121.7 79.2 147.2

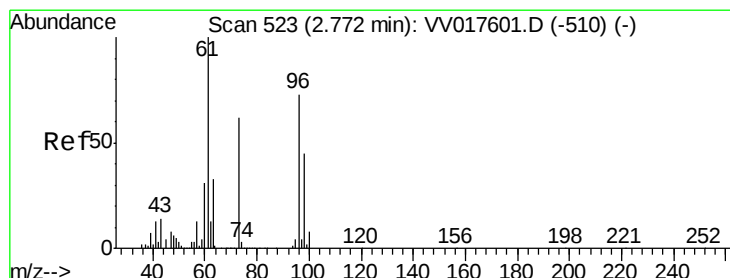
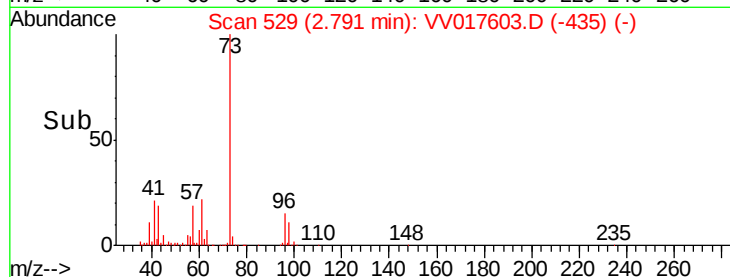
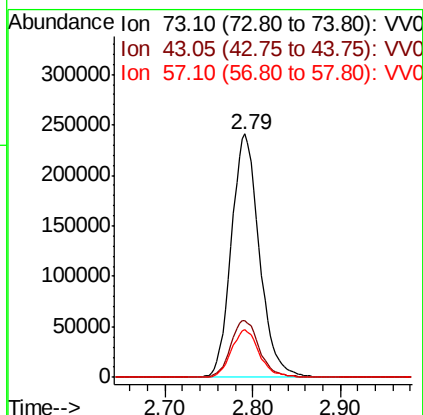
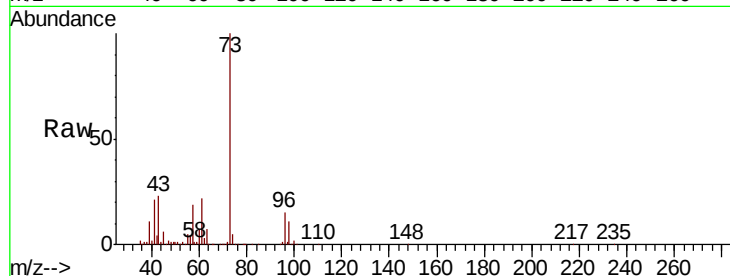




#17
Methvl tert-butvl Ether
Concen: 17.450 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV017603.D
Acq: 23 Jul 2020 14:07

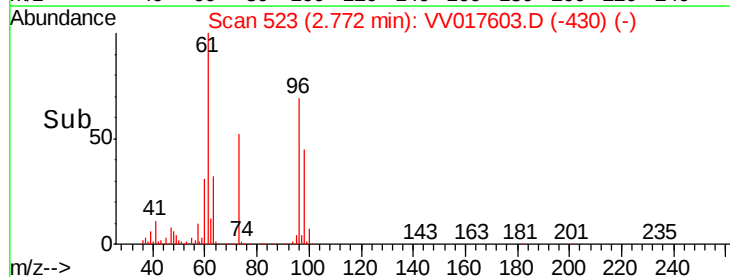
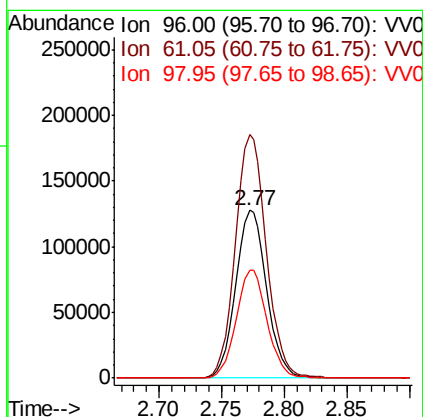
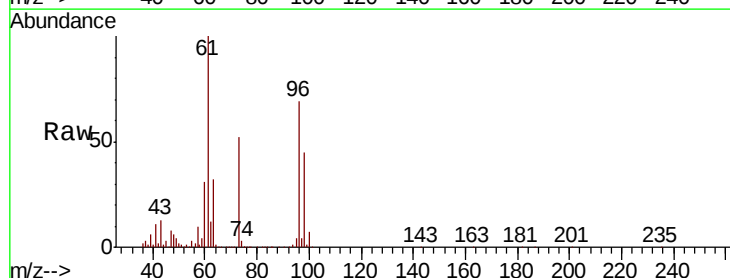
Instrument :
MSVOA_V
ClientSampleId :
VSTD02034

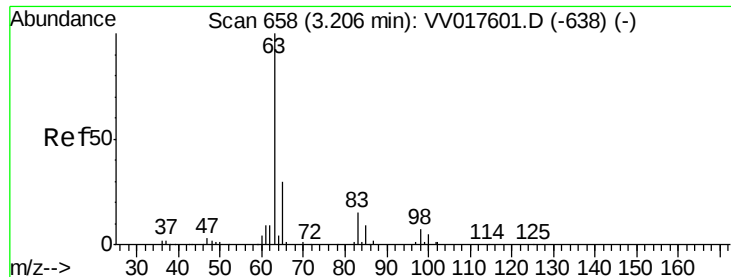
Tot Ion: 73 Resp: 534986
Ion Ratio Lower Upper
73 100
43 23.5 18.3 27.5
57 19.6 16.7 25.1



#18
trans-1,2-Dichloroethene
Concen: 16.802 ug/L
RT: 2.77 min Scan# 523
Delta R.T. -0.00 min
Lab File: VV017603.D
Acq: 23 Jul 2020 14:07

Tgt Ion: 96 Resp: 219562
Ion Ratio Lower Upper
96 100
61 145.3 96.0 178.4
98 64.7 43.5 80.9

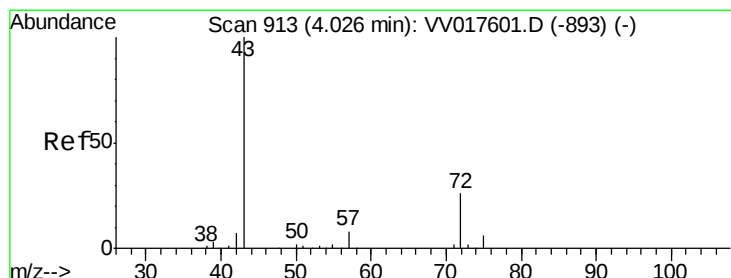
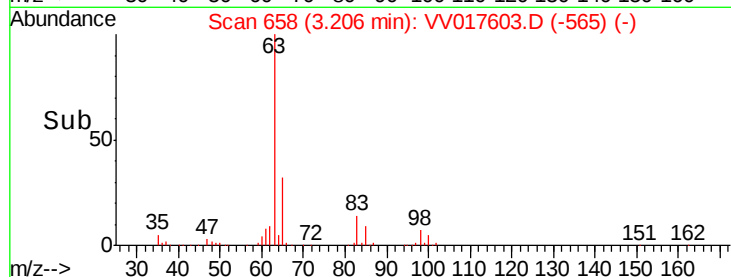
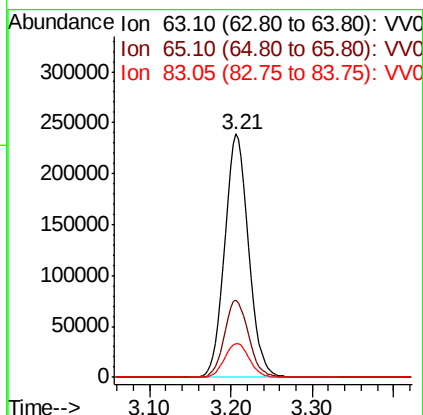
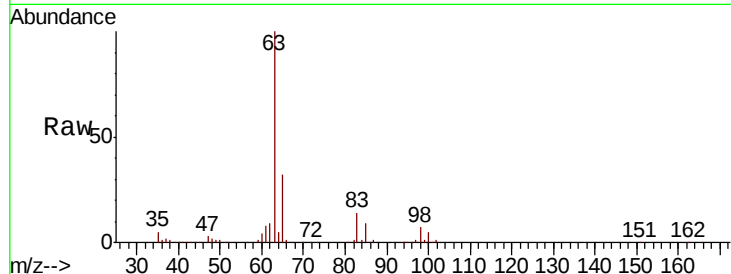




#19
 1,1-Dichloroethane
 Concen: 19.232 ug/L
 RT: 3.21 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VV017603.D
 Acq: 23 Jul 2020 14:07

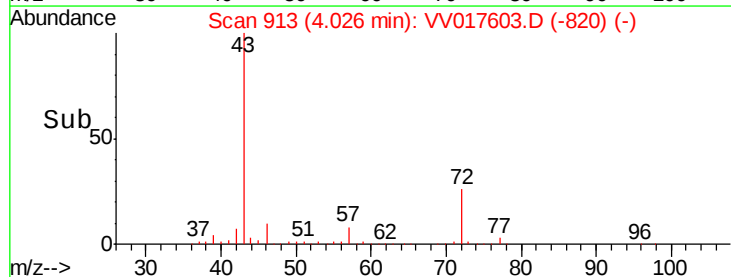
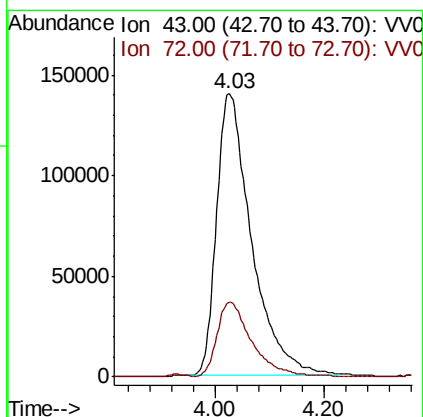
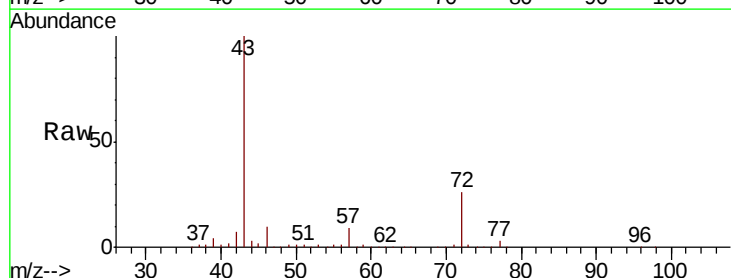
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02034

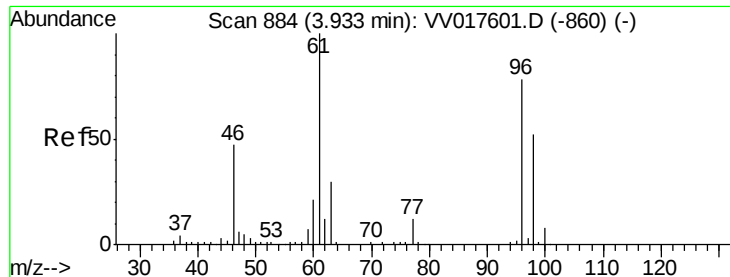
Tot Ion: 63 Resp: 494111
 Ion Ratio Lower Upper
 63 100
 65 31.9 21.4 39.8
 83 13.8 10.4 19.4



#21
 2-Butanone
 Concen: 217.832 ug/L
 RT: 4.03 min Scan# 913
 Delta R.T. -0.00 min
 Lab File: VV017603.D
 Acq: 23 Jul 2020 14:07

Tgt Ion: 43 Resp: 624516
 Ion Ratio Lower Upper
 43 100
 72 25.7 13.0 38.9



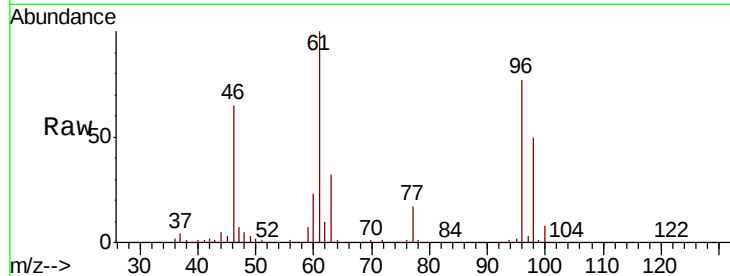


#22

cis-1,2-Dichloroethene
 Concen: 19.697 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV017603.D
 Acq: 23 Jul 2020 14:07

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02034

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.1	89.6	166.4
68	0.0	0.0	0.0

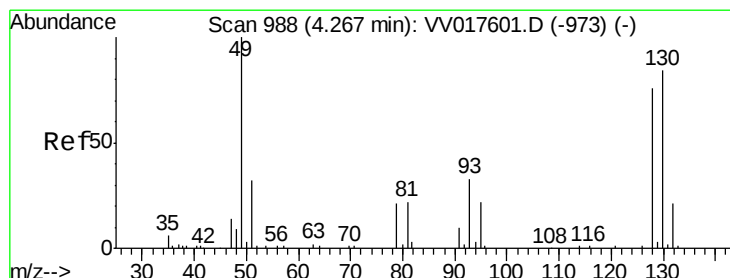
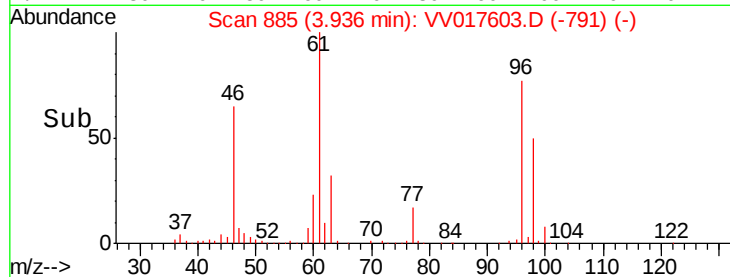
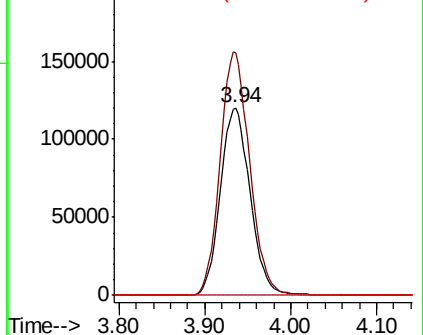


Abundance

Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

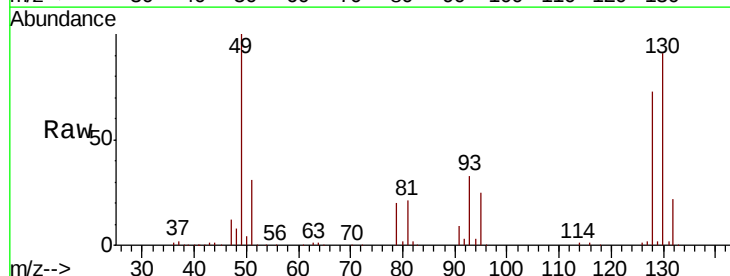
Ion 68.15 (67.85 to 68.85): VV0



#23

Bromochloromethane
 Concen: 19.983 ug/L
 RT: 4.27 min Scan# 990
 Delta R.T. 0.01 min
 Lab File: VV017603.D
 Acq: 23 Jul 2020 14:07

Tgt Ion	Ratio	Lower	Upper
128	100		
49	137.2	92.2	171.2
130	125.5	77.2	143.4
51	42.1	33.8	50.6



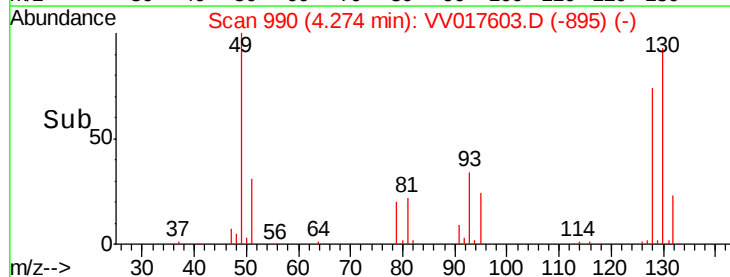
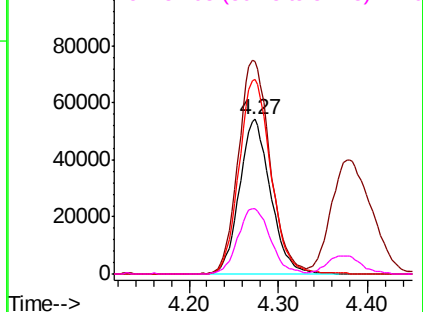
Abundance

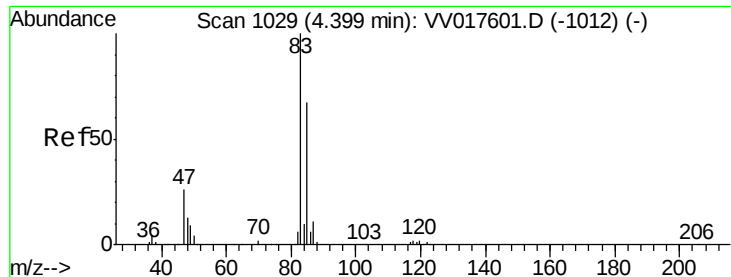
Ion 127.90 (127.60 to 128.60): V

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

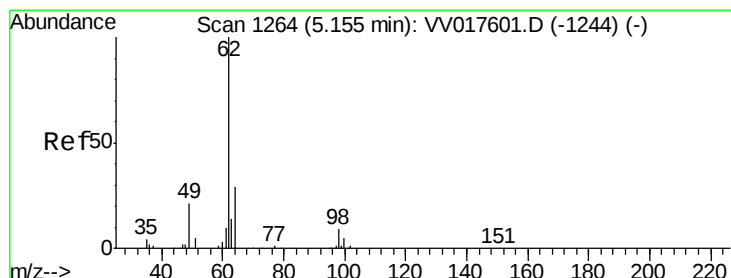
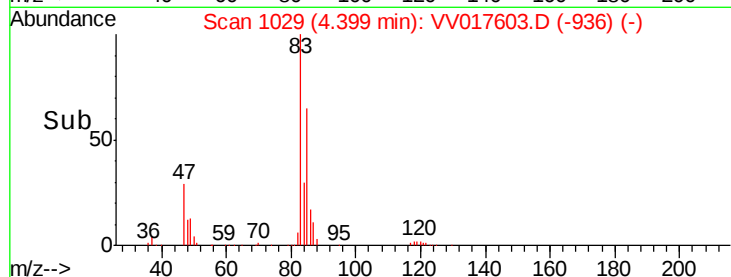
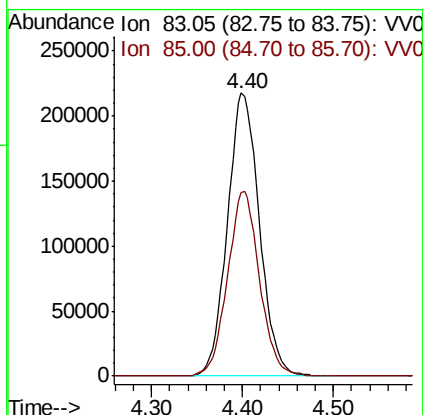
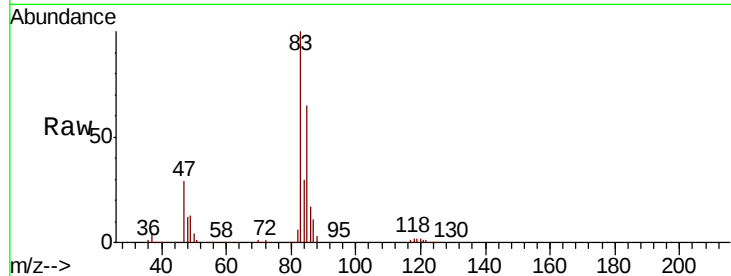




#25
Chloroform
Concen: 19.103 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV017603.D
Acq: 23 Jul 2020 14:07

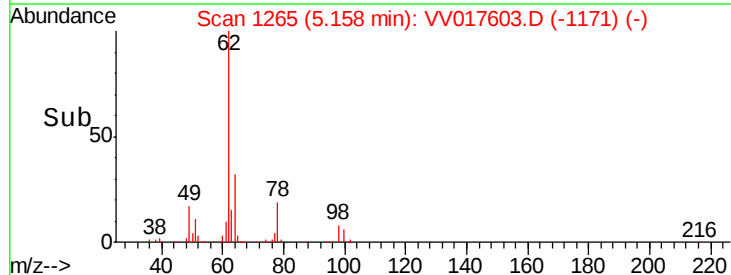
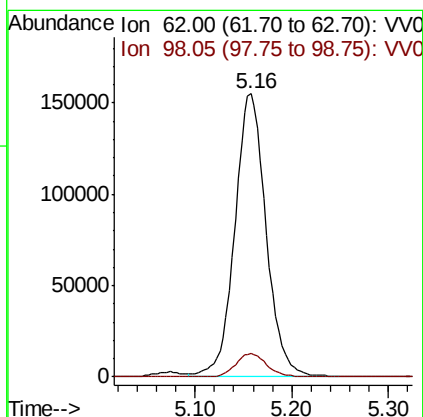
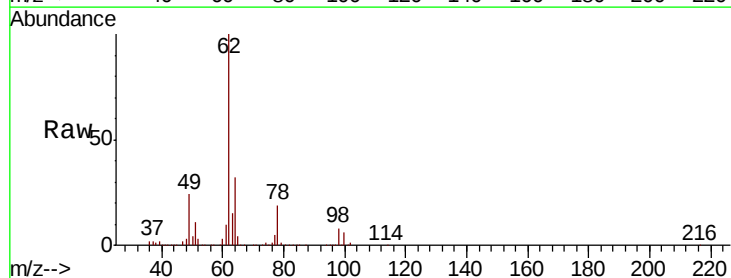
Instrument :
MSVOA_V
ClientSampleId :
VSTD02034

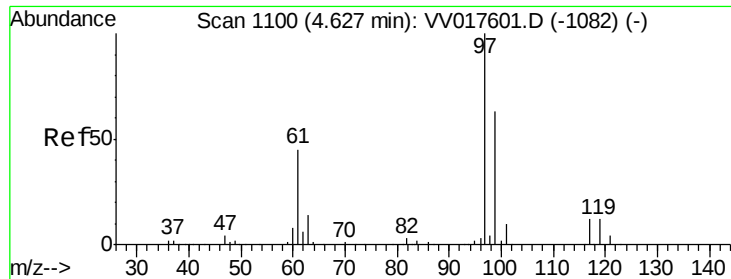
Tot Ion: 83 Resp: 532597
Ion Ratio Lower Upper
83 100
85 64.8 47.3 87.9



#27
1,2-Dichloroethane
Concen: 18.998 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV017603.D
Acq: 23 Jul 2020 14:07

Tgt Ion: 62 Resp: 347027
Ion Ratio Lower Upper
62 100
98 8.1 7.0 10.6

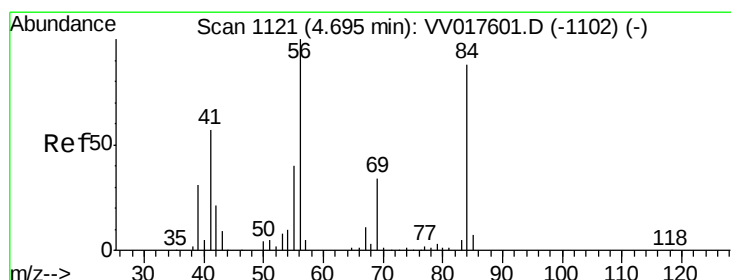
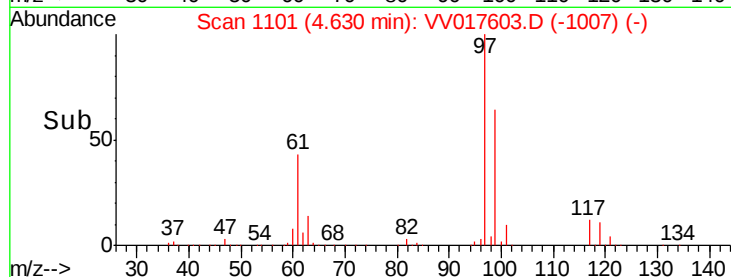
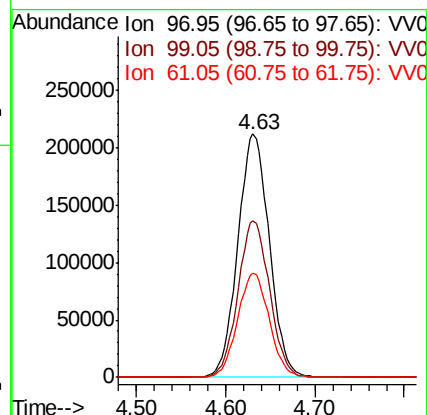
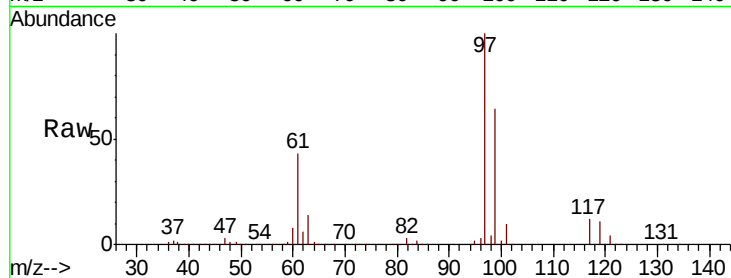




#29
 1,1,1-Trichloroethane
 Concen: 18.894 ug/L
 RT: 4.63 min Scan# 1101
 Delta R.T. 0.00 min
 Lab File: VV017603.D
 Acq: 23 Jul 2020 14:07

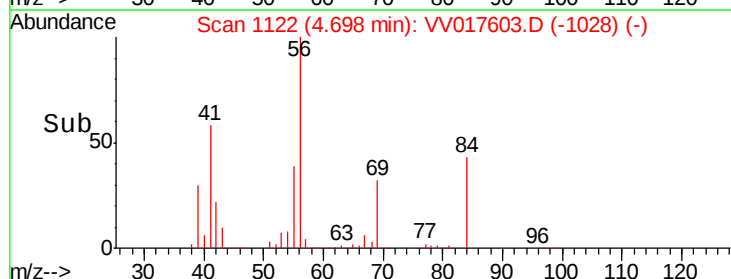
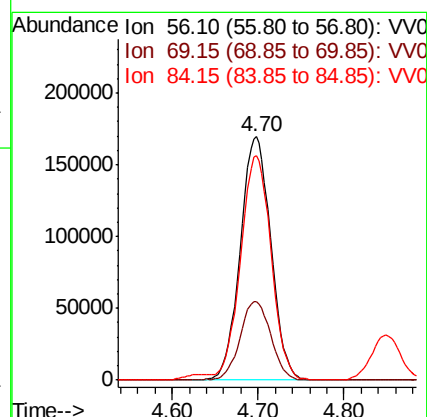
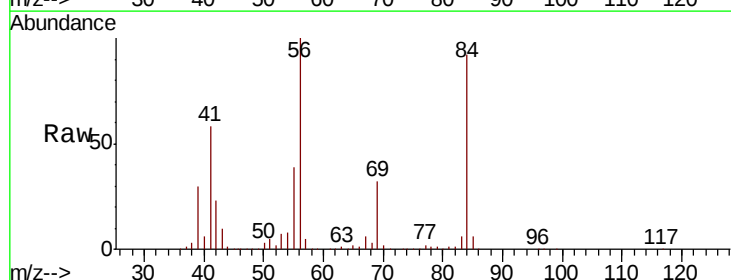
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02034

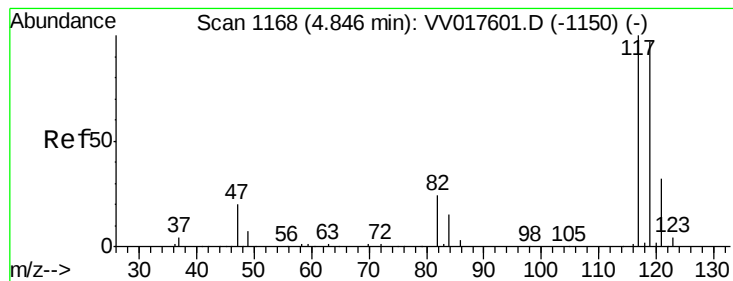
Tot Ion: 97 Resp: 521190
 Ion Ratio Lower Upper
 97 100
 99 64.5 50.6 76.0
 61 43.3 35.7 53.5



#30
 Cyclohexane
 Concen: 19.515 ug/L
 RT: 4.70 min Scan# 1122
 Delta R.T. 0.00 min
 Lab File: VV017603.D
 Acq: 23 Jul 2020 14:07

Tgt Ion: 56 Resp: 418258
 Ion Ratio Lower Upper
 56 100
 69 32.5 25.4 38.2
 84 92.7 73.0 109.4





#31

Carbon tetrachloride

Concen: 18.617 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. 0.00 min

Lab File: VV017603.D

Acq: 23 Jul 2020 14:07

Instrument :

MSVOA_V

ClientSampleId :

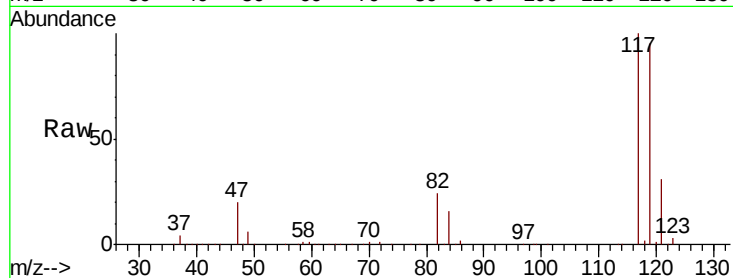
VSTD02034

Tot Ion:117 Resp: 472696

Ion Ratio Lower Upper

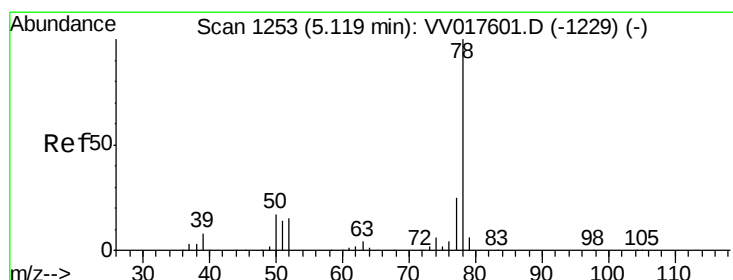
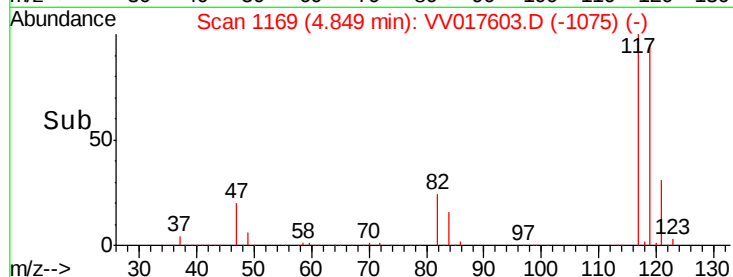
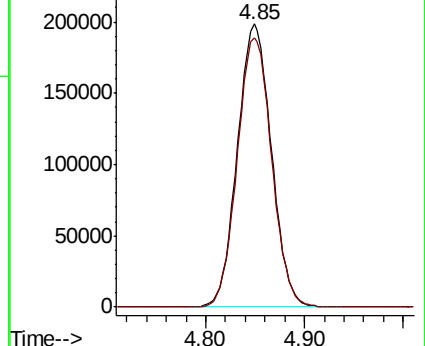
117 100

119 96.3 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: 20.230 ug/L

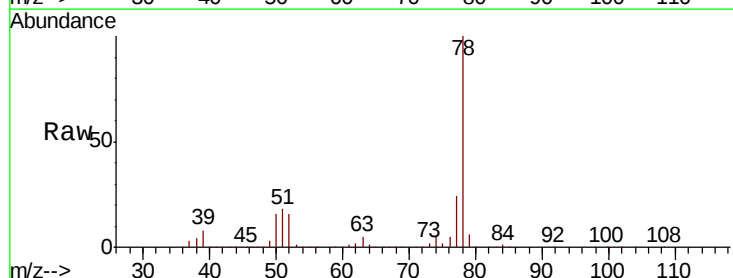
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

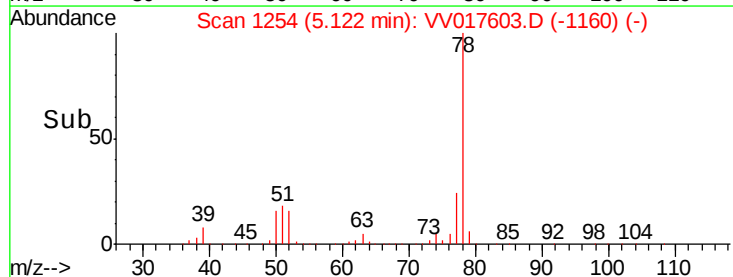
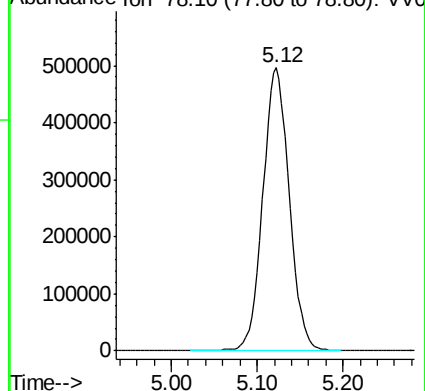
Lab File: VV017603.D

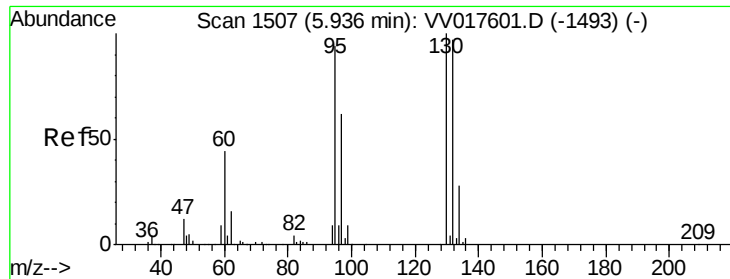
Acq: 23 Jul 2020 14:07

Tgt Ion: 78 Resp: 1063768



Abundance Ion 78.10 (77.80 to 78.80): VV0

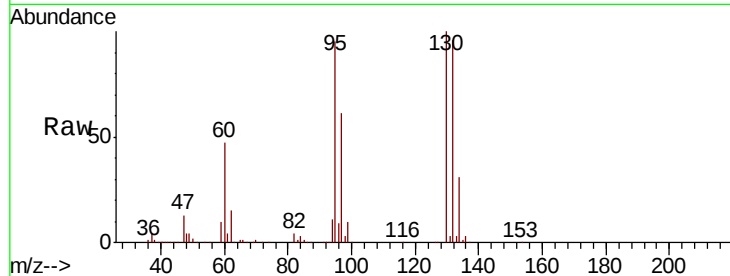




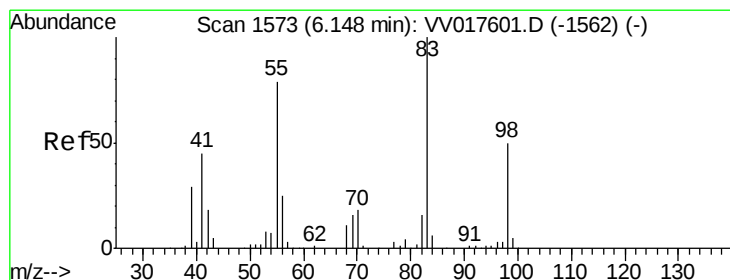
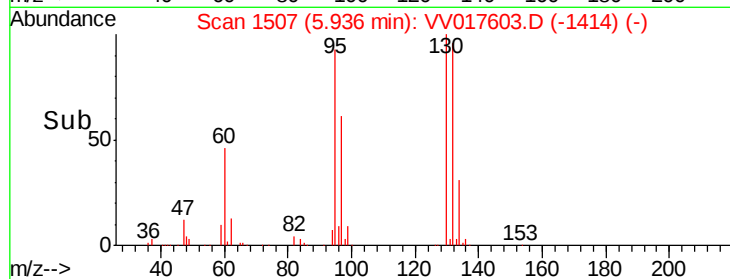
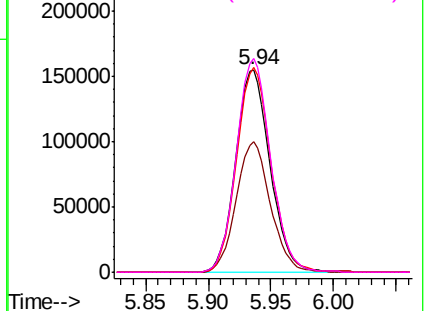
#34
 Trichloroethene
 Concen: 18.725 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV017603.D
 Acq: 23 Jul 2020 14:07

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02034

Tot Ion:	95	Resp:	295839
Ion	Ratio	Lower	Upper
95	100		
97	64.3	46.1	85.5
132	101.2	71.7	133.1
130	105.6	74.3	137.9

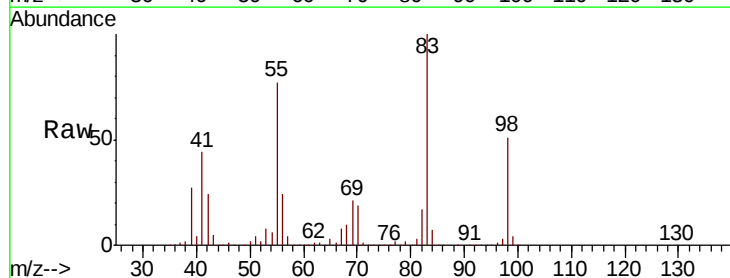


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

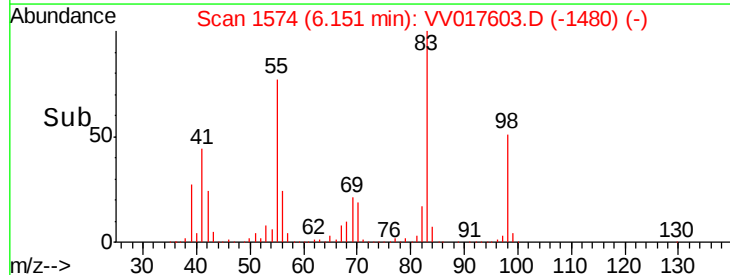
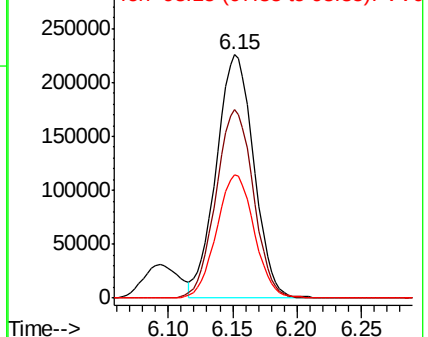


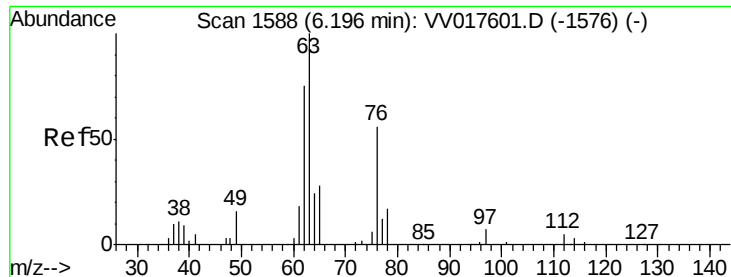
#35
 Methylcyclohexane
 Concen: 19.265 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VV017603.D
 Acq: 23 Jul 2020 14:07

Tgt Ion:	83	Resp:	456280
Ion	Ratio	Lower	Upper
83	100		
55	77.2	61.8	92.8
98	51.1	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

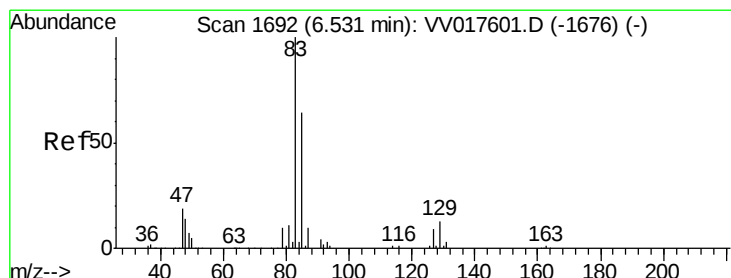
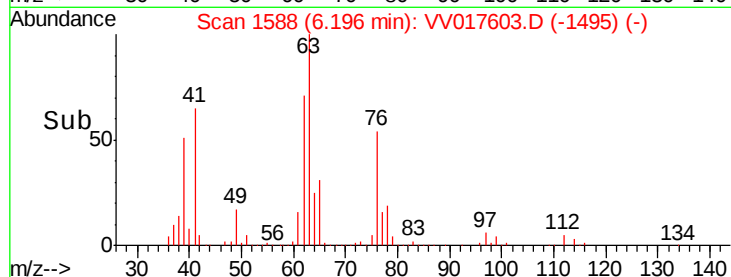
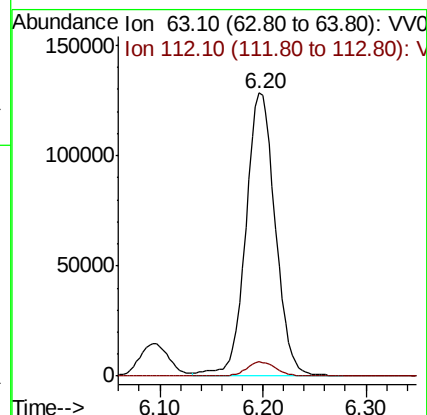
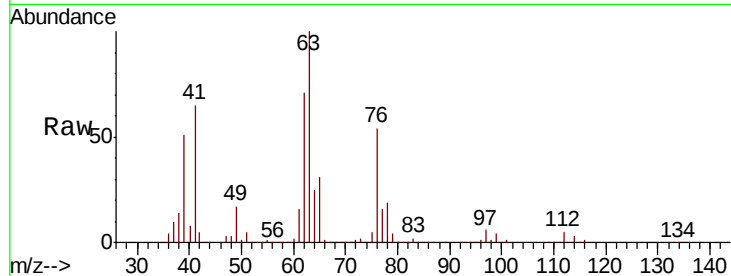




#37
 1,2-Dichloropropane
 Concen: 20.600 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV017603.D
 Acq: 23 Jul 2020 14:07

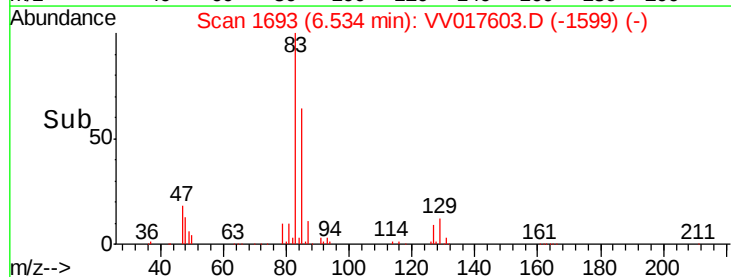
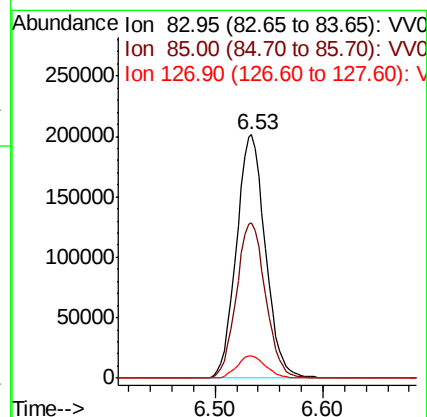
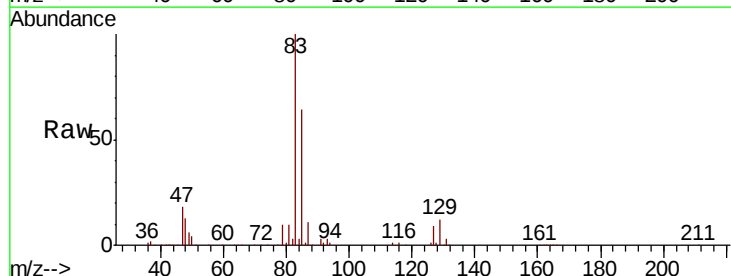
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02034

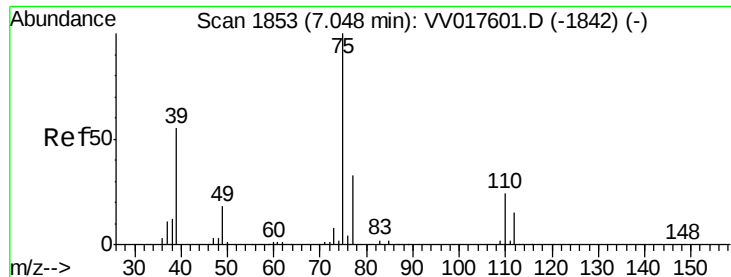
Tot Ion: 63 Resp: 254202
 Ion Ratio Lower Upper
 63 100
 112 5.0 4.5 6.7



#38
 Bromodichloromethane
 Concen: 20.191 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV017603.D
 Acq: 23 Jul 2020 14:07

Tgt Ion: 83 Resp: 377119
 Ion Ratio Lower Upper
 83 100
 85 63.7 44.7 83.1
 127 8.9 7.4 11.0

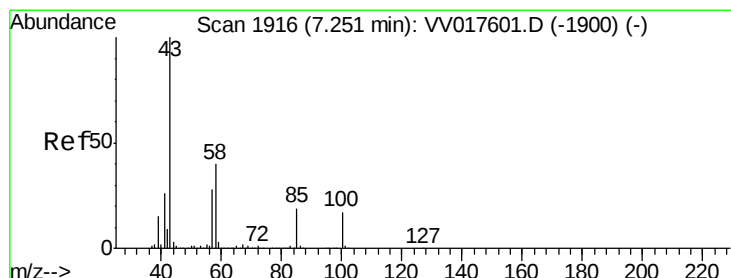
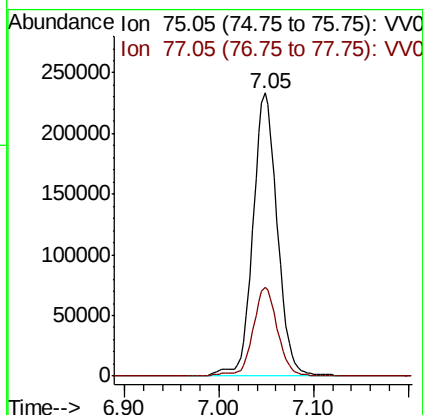
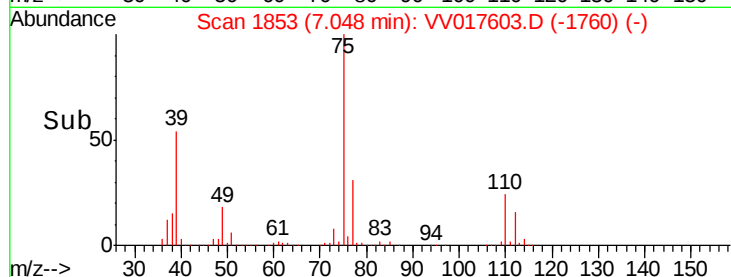
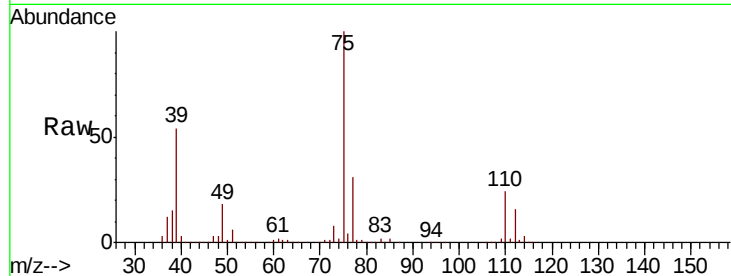




#39
 cis-1,3-Dichloropropene
 Concen: 21.623 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV017603.D
 Acq: 23 Jul 2020 14:07

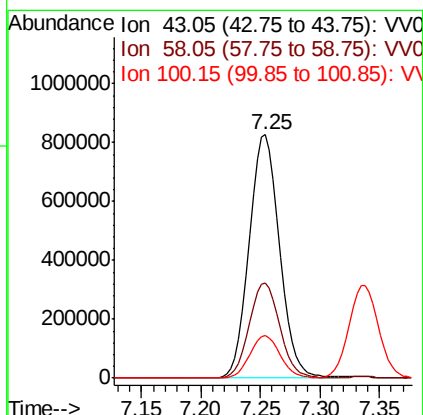
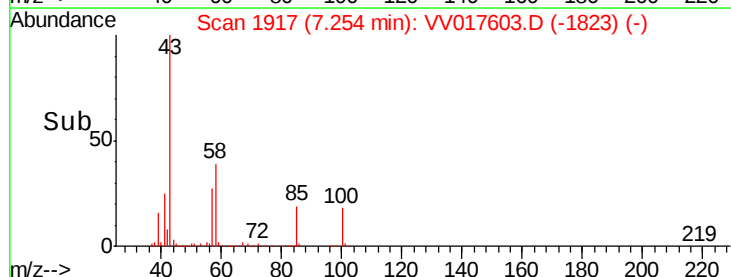
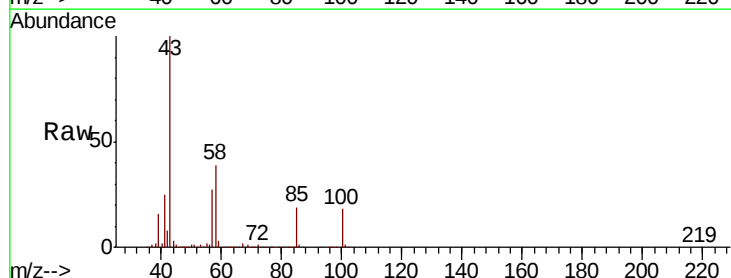
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD02034

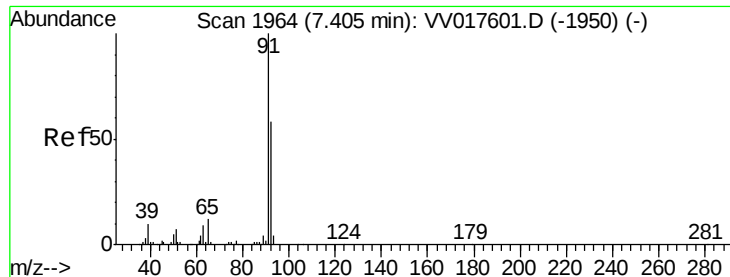
Tot Ion: 75 Resp: 417781
 Ion Ratio Lower Upper
 75 100
 77 31.4 23.2 43.2



#40
 4-Methyl-2-pentanone
 Concen: 222.177 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VV017603.D
 Acq: 23 Jul 2020 14:07

Tgt Ion: 43 Resp: 1460219
 Ion Ratio Lower Upper
 43 100
 58 39.5 31.2 46.8
 100 17.5 13.6 20.4





#42

Toluene

Concen: 20.574 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017603.D

Acq: 23 Jul 2020 14:07

Instrument :

MSVOA_V

ClientSampleId :

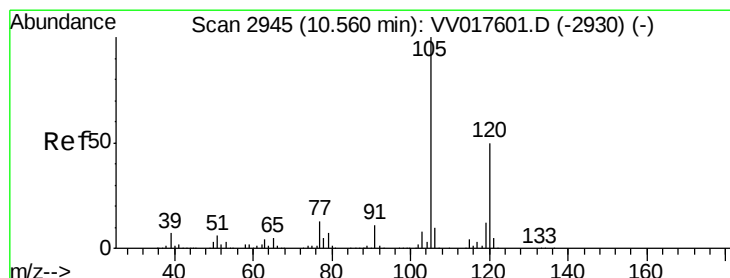
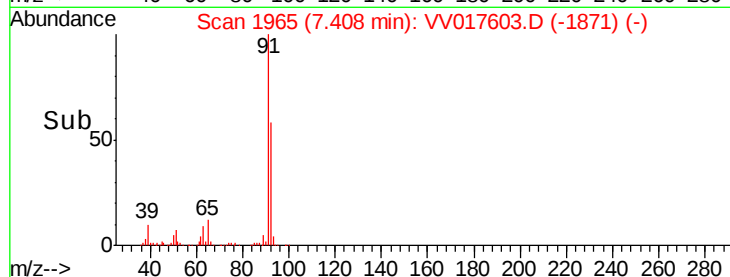
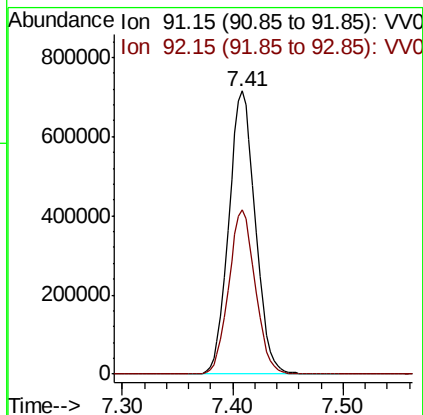
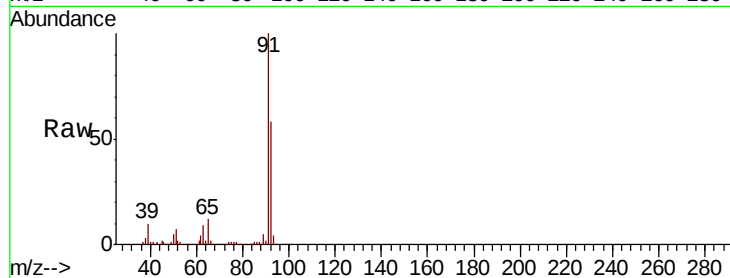
VSTD02034

Tot Ion: 91 Resp: 1192468

Ion Ratio Lower Upper

91 100

92 58.0 40.8 75.8



#43

1,3,5-Trimethylbenzene

Concen: 21.581 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VV017603.D

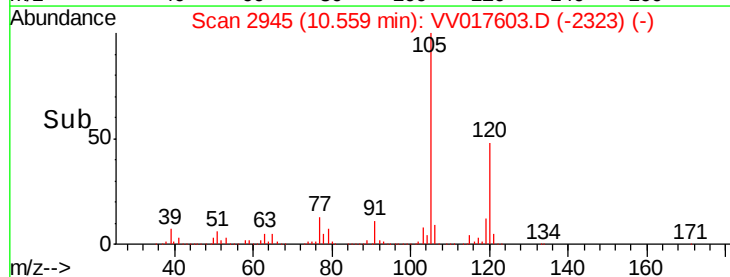
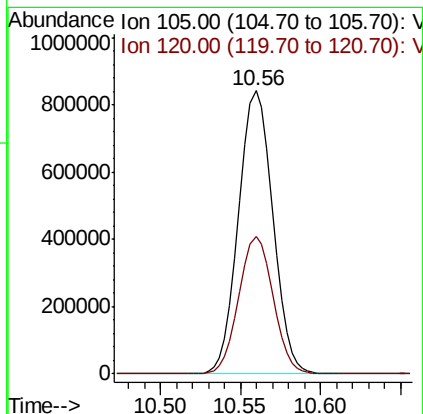
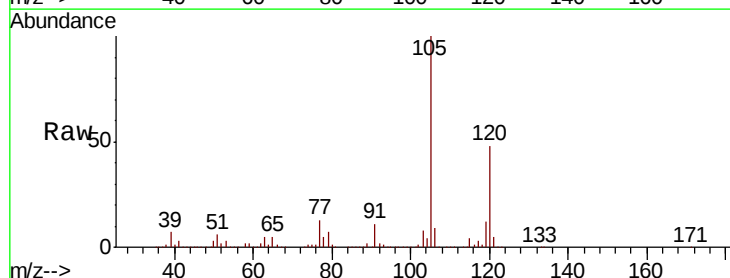
Acq: 23 Jul 2020 14:07

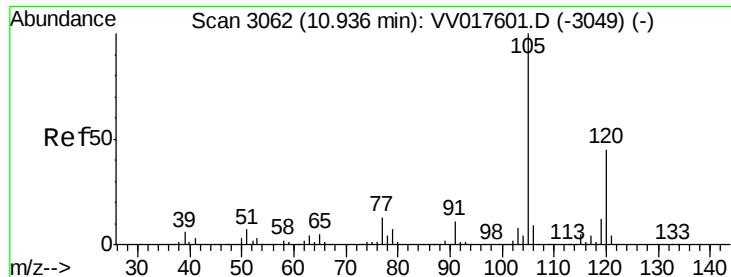
Tgt Ion:105 Resp: 1228778

Ion Ratio Lower Upper

105 100

120 48.6 39.4 59.2

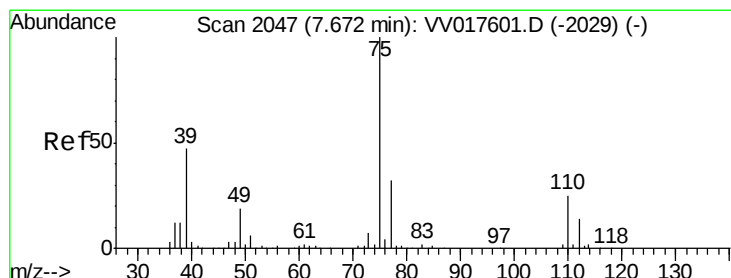
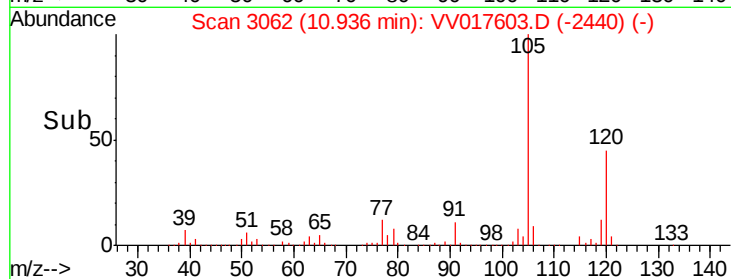
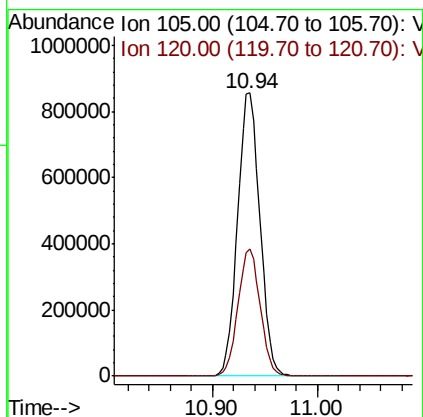
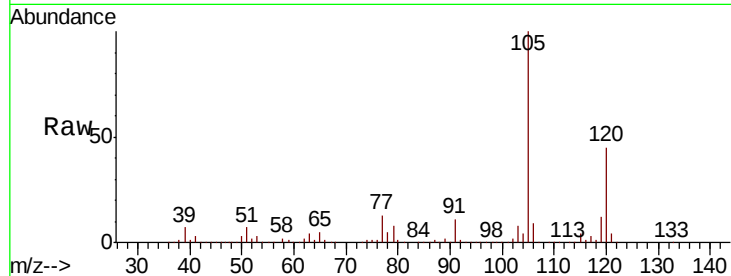




#44
 1,2,4-Trimethylbenzene
 Concen: 22.067 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV017603.D
 Acq: 23 Jul 2020 14:07

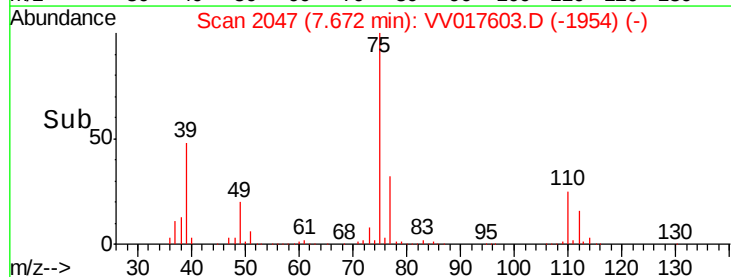
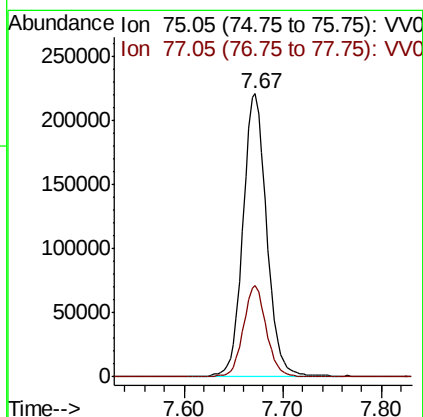
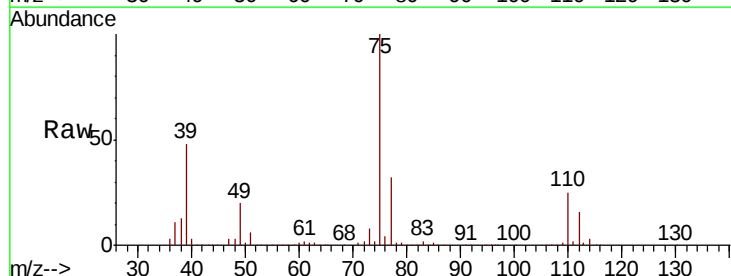
Instrument :
 MSVOA_V
 ClientSampleID :
 VSTD02034

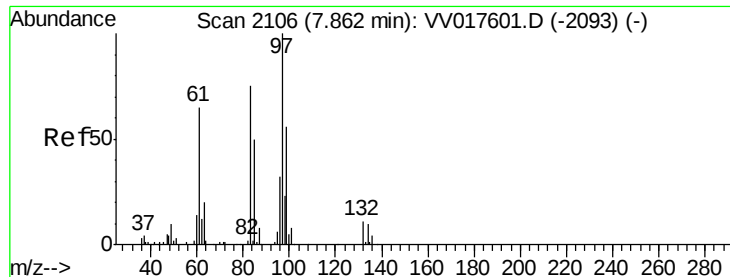
Tot Ion:105 Resp: 1255362
 Ion Ratio Lower Upper
 105 100
 120 44.7 35.9 53.9



#46
 trans-1,3-Dichloropropene
 Concen: 21.491 ug/L
 RT: 7.67 min Scan# 2047
 Delta R.T. -0.00 min
 Lab File: VV017603.D
 Acq: 23 Jul 2020 14:07

Tgt Ion: 75 Resp: 368158
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.5 41.7





#47

1,1,2-Trichloroethane

Concen: 19.680 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VV017603.D

Acq: 23 Jul 2020 14:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD02034

Tot Ion: 97 Resp: 182276

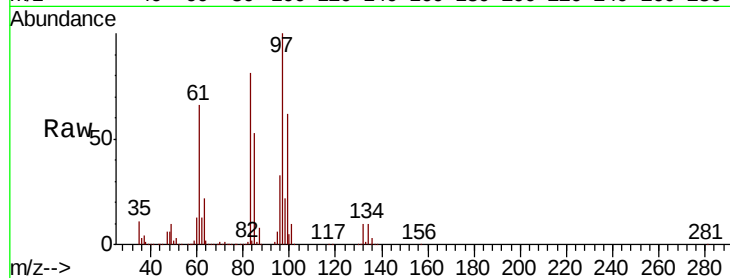
Ion Ratio Lower Upper

97 100

99 61.9 39.5 73.4

83 81.0 52.6 97.6

85 53.0 35.1 65.1

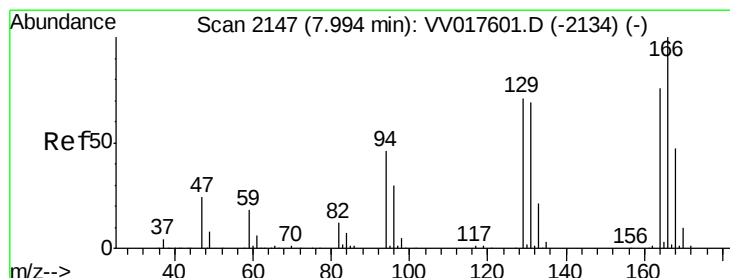
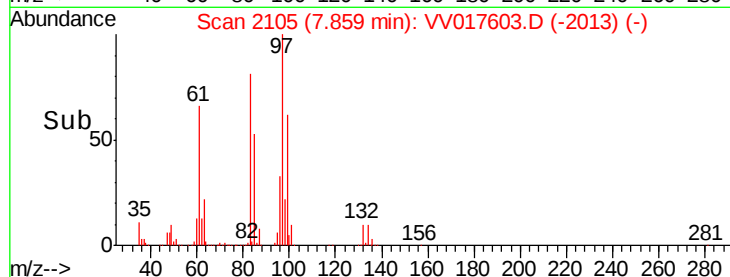
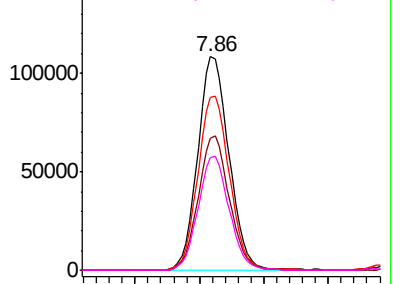


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 19.187 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VV017603.D

Acq: 23 Jul 2020 14:07

Tgt Ion: 164 Resp: 258597

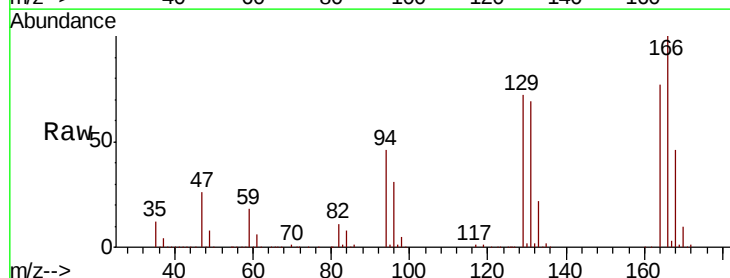
Ion Ratio Lower Upper

164 100

129 93.2 65.0 120.8

131 89.5 63.6 118.2

166 130.0 91.7 170.3

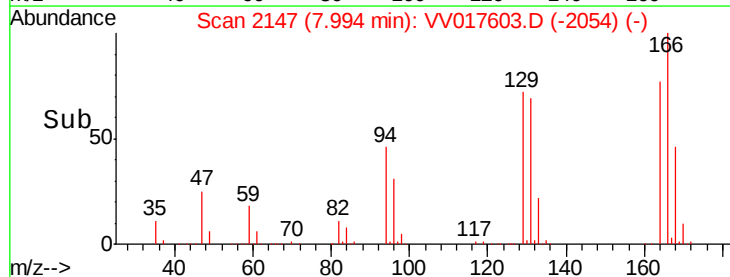
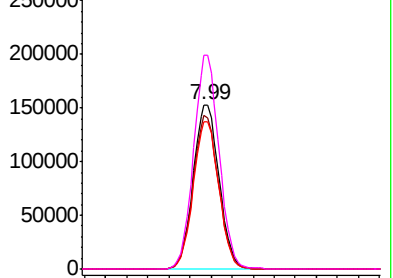


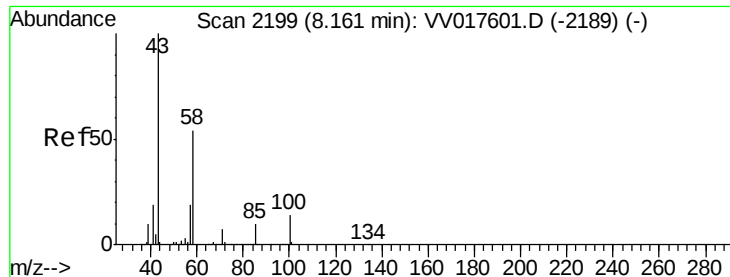
Abundance Ion 163.90 (163.60 to 164.60): V

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



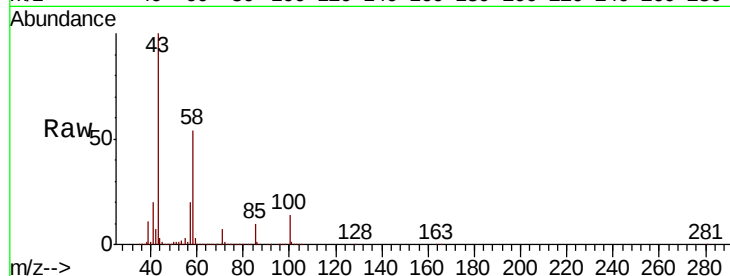


#50
2-Hexanone
Concen: 218.192 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV017603.D
Acq: 23 Jul 2020 14:07

Instrument :
MSVOA_V
ClientSampleId :
VSTD02034

Tot Ion: 43 Resp: 1054878

Ion	Ratio	Lower	Upper
43	100		
58	54.5	41.6	62.4
57	20.5	15.4	23.0
100	13.6	11.2	16.8

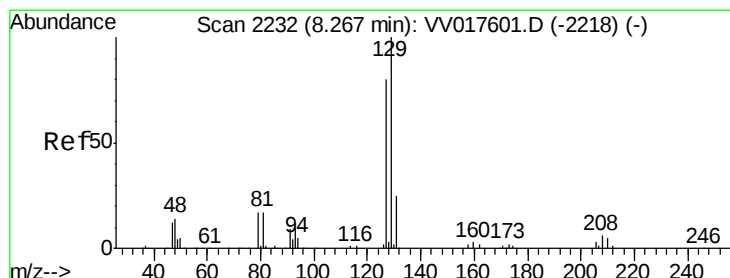
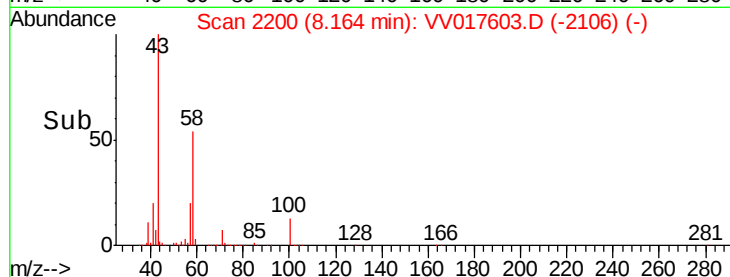
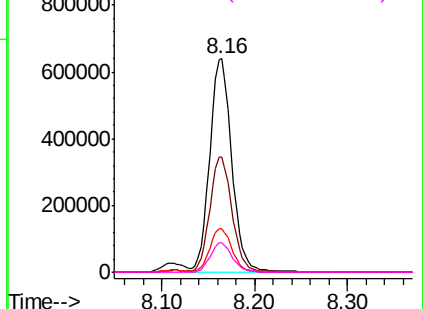


Abundance Ion 43.05 (42.75 to 43.75): VV017603.D (-2189) (-)

Ion 58.05 (57.75 to 58.75): VV017603.D (-2189) (-)

Ion 57.20 (56.90 to 57.90): VV017603.D (-2189) (-)

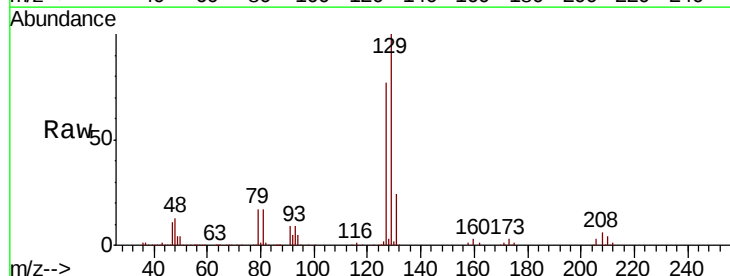
Ion 100.15 (99.85 to 100.85): VV017603.D (-2189) (-)



#51
Dibromochloromethane
Concen: 20.738 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV017603.D
Acq: 23 Jul 2020 14:07

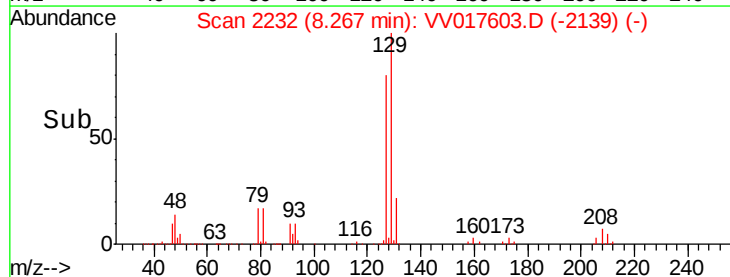
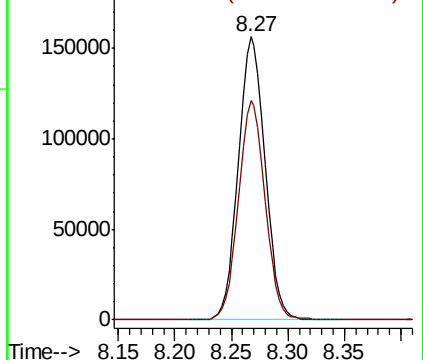
Tgt Ion: 129 Resp: 258859

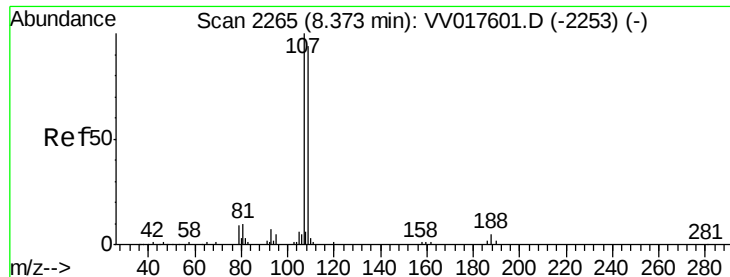
Ion	Ratio	Lower	Upper
129	100		
127	77.4	56.3	104.5



Abundance Ion 128.95 (128.65 to 129.65): VV017603.D (-2139) (-)

Ion 126.90 (126.60 to 127.60): VV017603.D (-2139) (-)





#52

1,2-Dibromoethane

Concen: 19.453 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. -0.00 min

Lab File: VV017603.D

Acq: 23 Jul 2020 14:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD02034

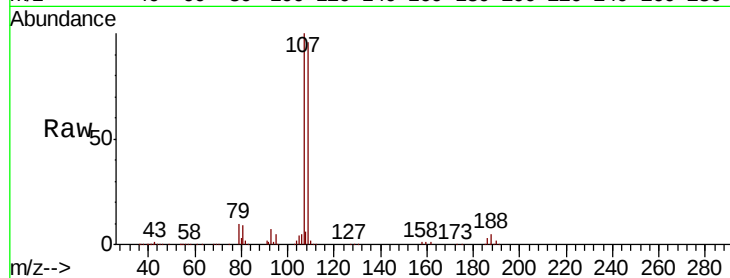
Tot Ion:107 Resp: 175497

Ion Ratio Lower Upper

107 100

109 96.1 65.5 121.7

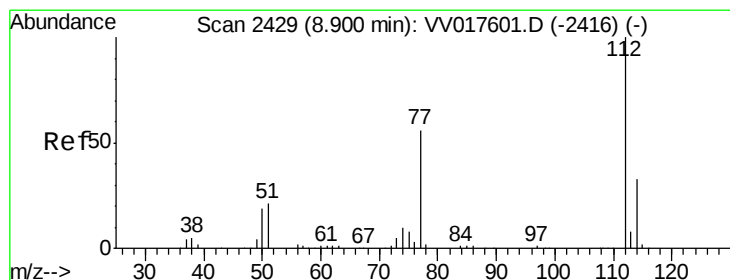
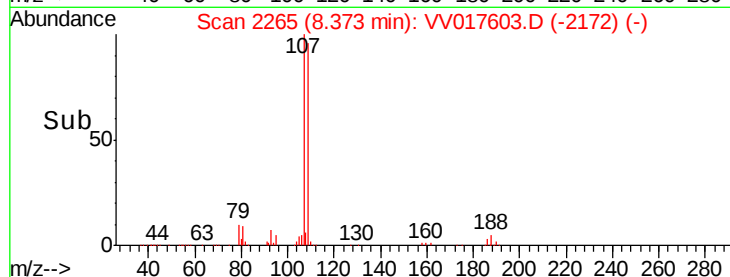
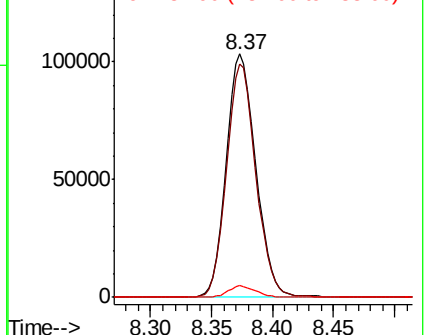
188 4.7 3.7 5.5



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: 19.955 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. -0.00 min

Lab File: VV017603.D

Acq: 23 Jul 2020 14:07

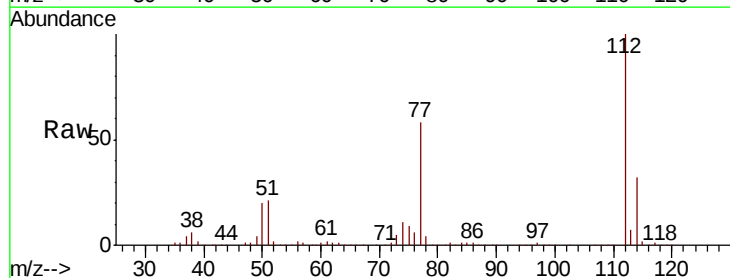
Tgt Ion:112 Resp: 772998

Ion Ratio Lower Upper

112 100

114 31.8 23.2 43.2

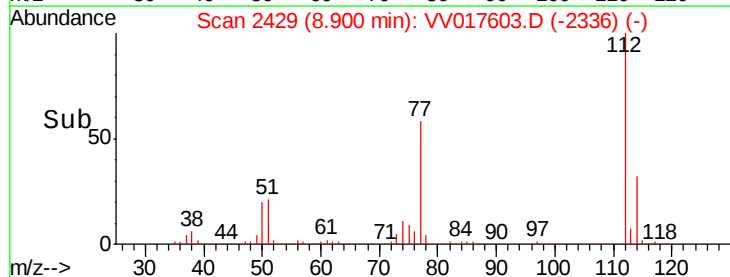
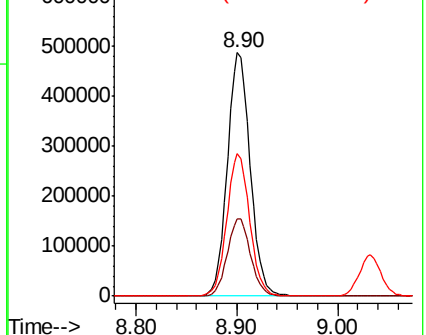
77 58.4 45.6 68.4

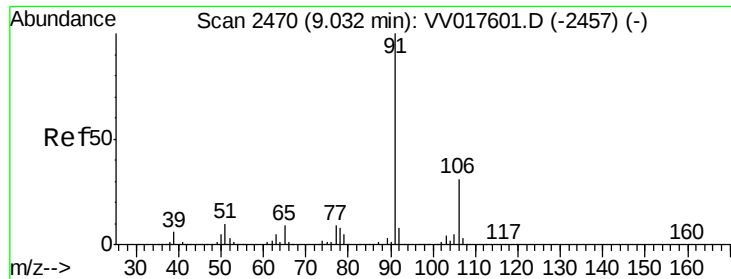


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#54

Ethylbenzene

Concen: 20.799 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV017603.D

Acq: 23 Jul 2020 14:07

Instrument :

MSVOA_V

ClientSampleId :

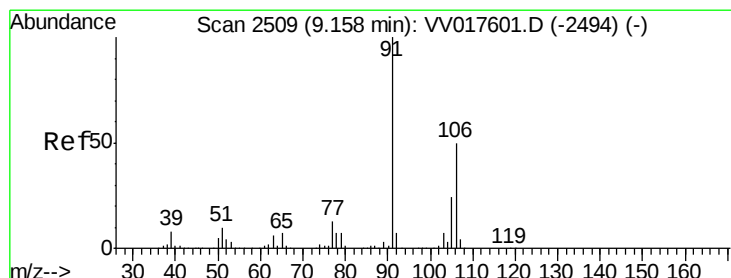
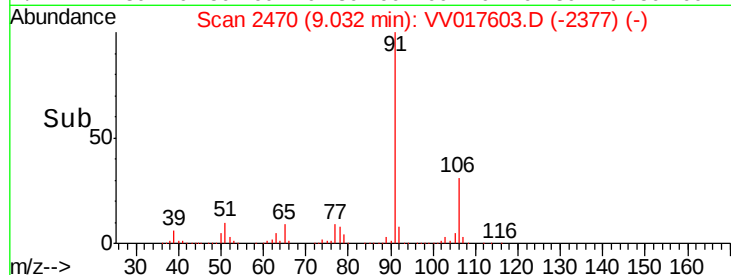
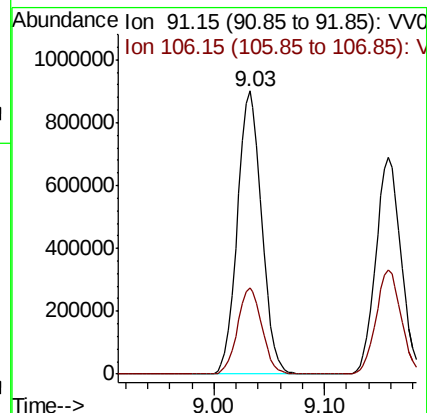
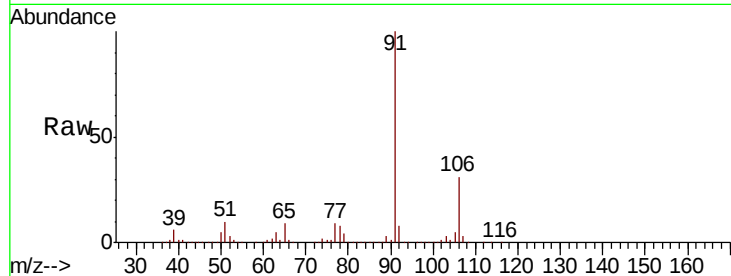
VSTD02034

Tot Ion: 91 Resp: 1372202

Ion Ratio Lower Upper

91 100

106 30.7 21.6 40.2



#55

m,p-xylene

Concen: 21.000 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV017603.D

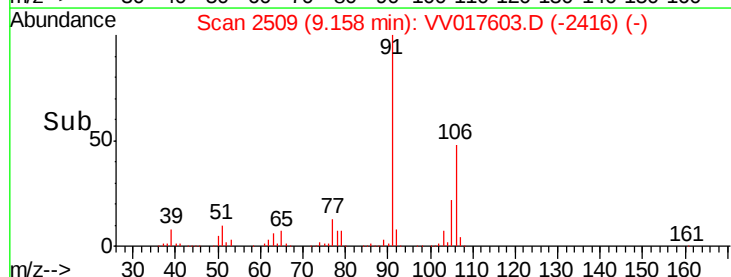
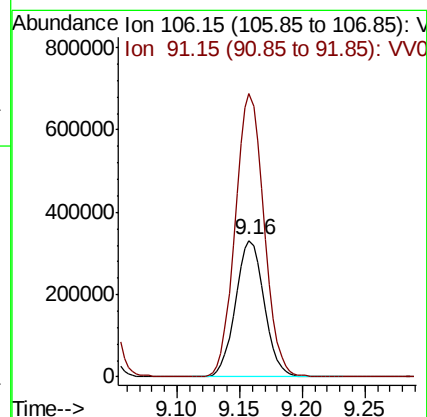
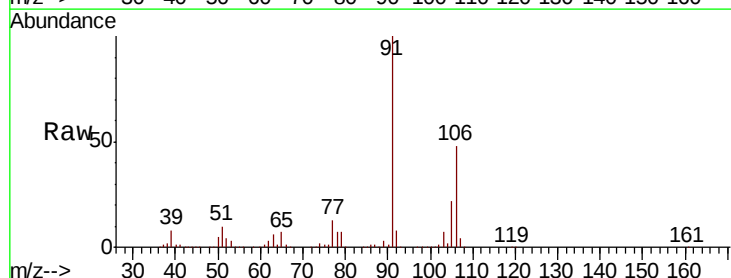
Acq: 23 Jul 2020 14:07

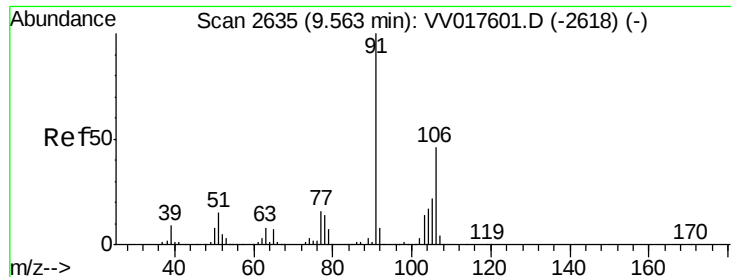
Tgt Ion: 106 Resp: 525235

Ion Ratio Lower Upper

106 100

91 207.1 141.3 262.3

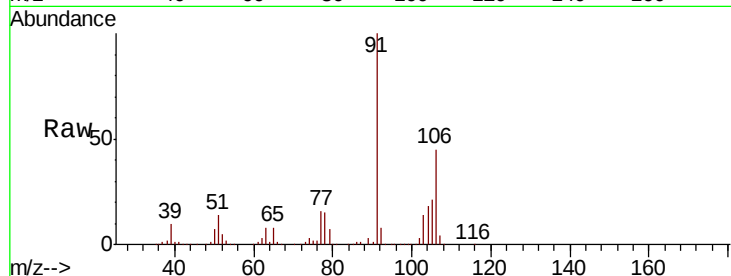




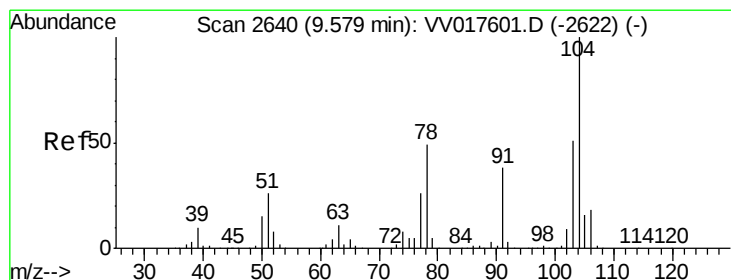
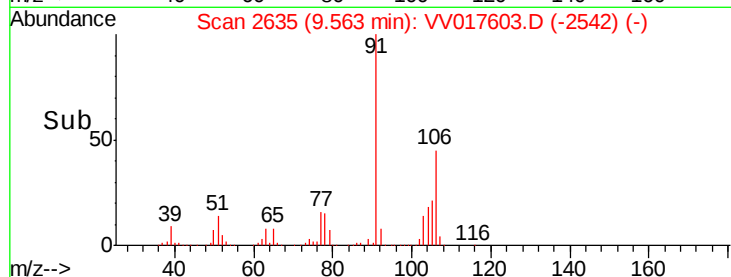
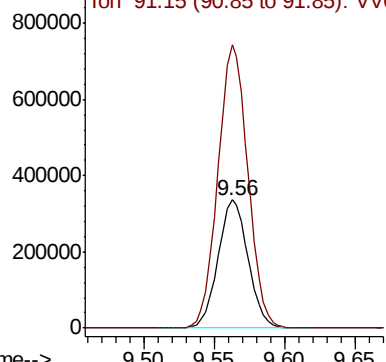
#56
o-xylene
Concen: 20.581 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV017603.D
Acq: 23 Jul 2020 14:07

Instrument :
MSVOA_V
ClientSampleId :
VSTD02034

Tot Ion:106 Resp: 500952
Ion Ratio Lower Upper
106 100
91 220.7 153.9 285.7

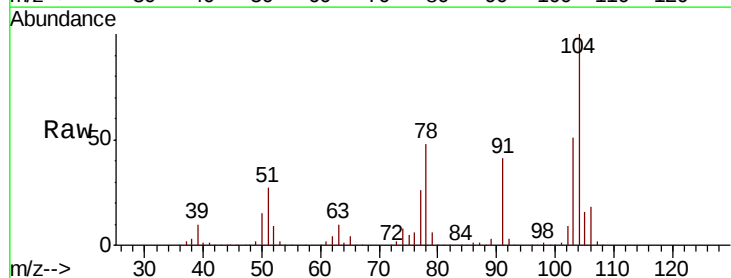


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

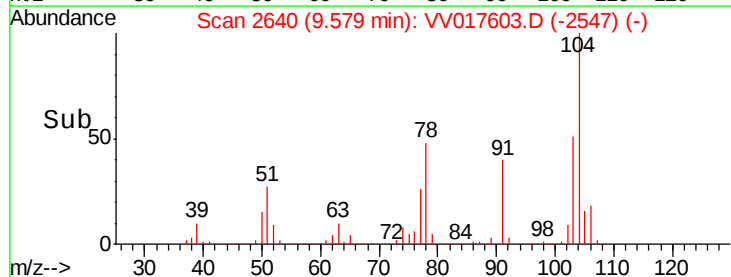
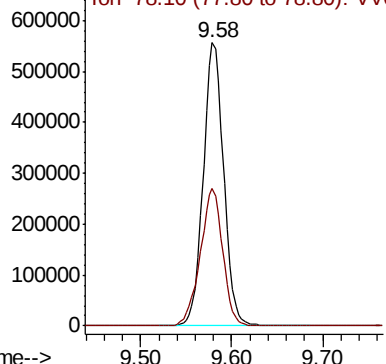


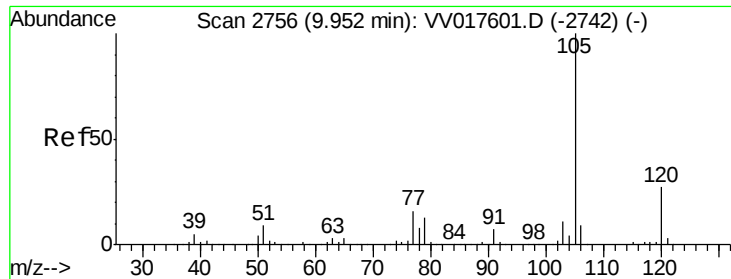
#57
Styrene
Concen: 21.371 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. -0.00 min
Lab File: VV017603.D
Acq: 23 Jul 2020 14:07

Tgt Ion:104 Resp: 869308
Ion Ratio Lower Upper
104 100
78 48.5 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: 20.570 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017603.D

Acq: 23 Jul 2020 14:07

Instrument :

MSVOA_V

ClientSampleID :

VSTD02034

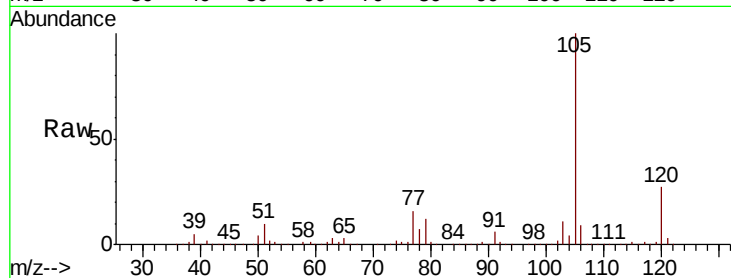
Tot Ion:105 Resp: 1399102

Ion Ratio Lower Upper

105 100

120 26.5 21.1 31.7

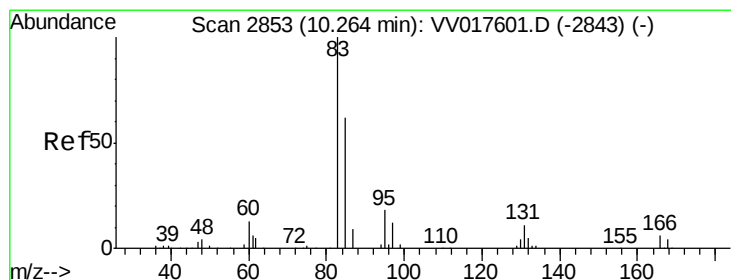
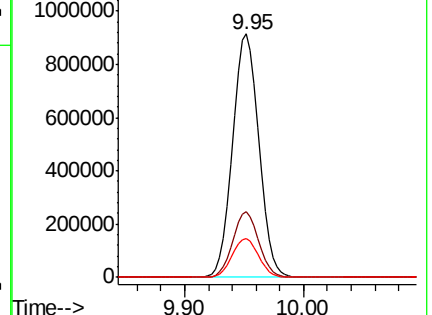
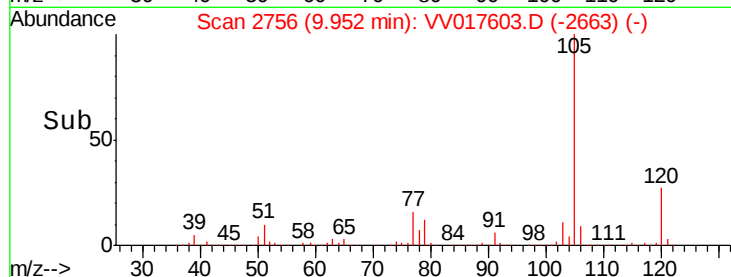
77 16.0 13.0 19.6



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: 21.820 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV017603.D

Acq: 23 Jul 2020 14:07

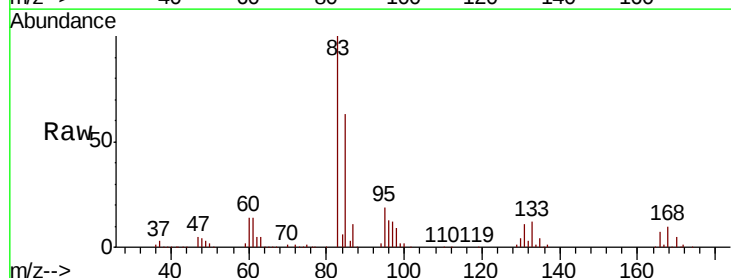
Tgt Ion: 83 Resp: 207278

Ion Ratio Lower Upper

83 100

85 63.5 44.4 82.5

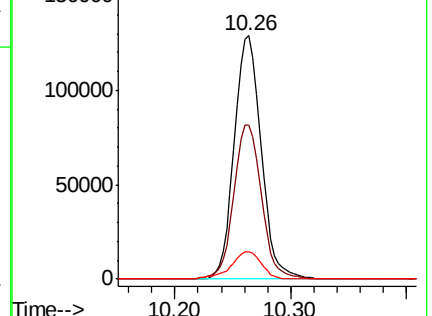
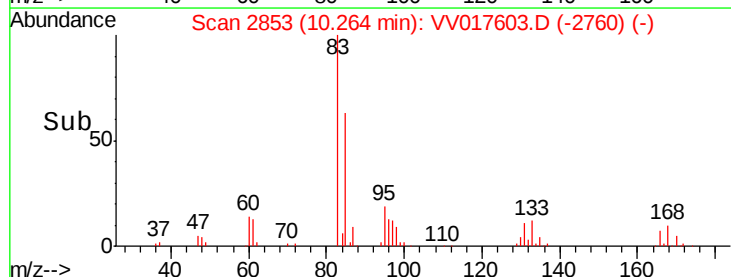
131 11.3 9.2 13.8

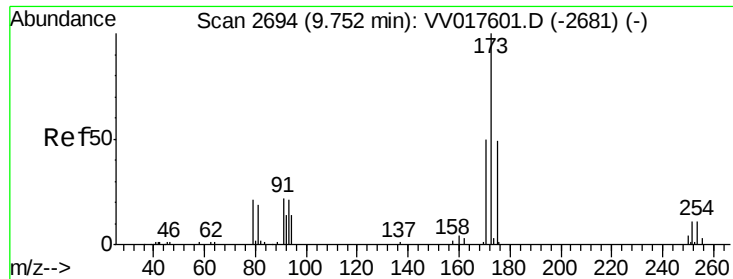


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 19.874 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV017603.D

Acq: 23 Jul 2020 14:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD02034

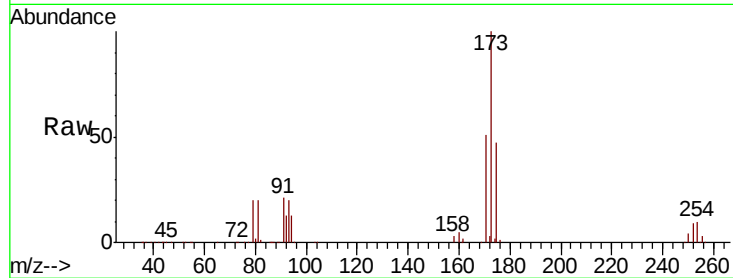
Tot Ion:173 Resp: 146969

Ion Ratio Lower Upper

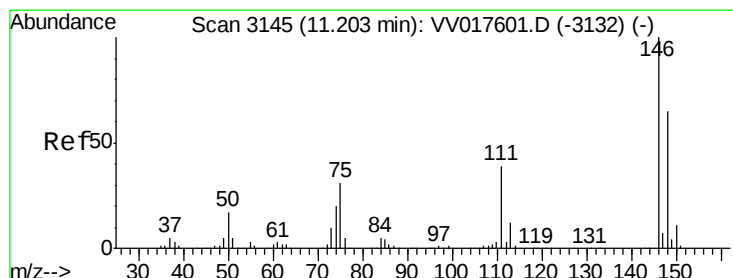
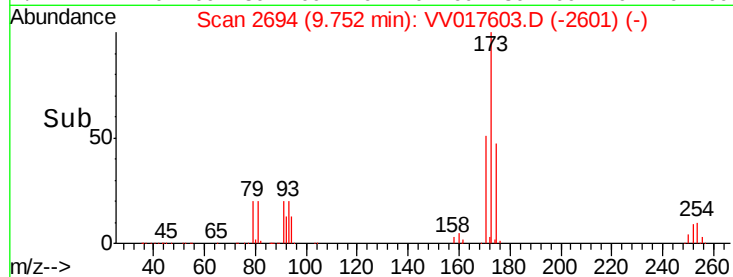
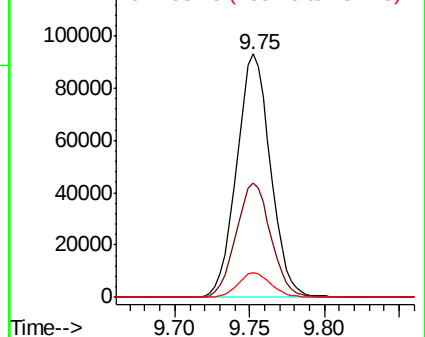
173 100

175 48.2 39.6 59.4

254 10.0 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: 19.373 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV017603.D

Acq: 23 Jul 2020 14:07

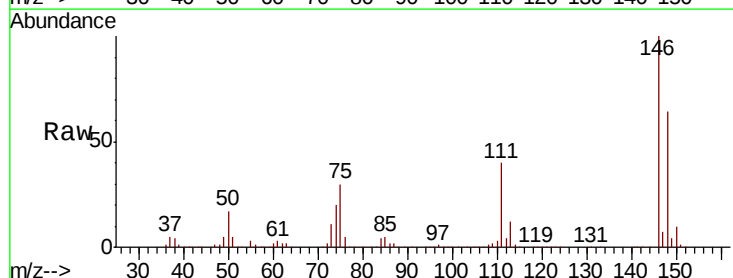
Tgt Ion:146 Resp: 686038

Ion Ratio Lower Upper

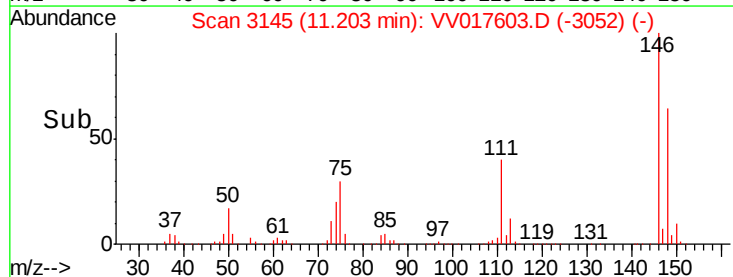
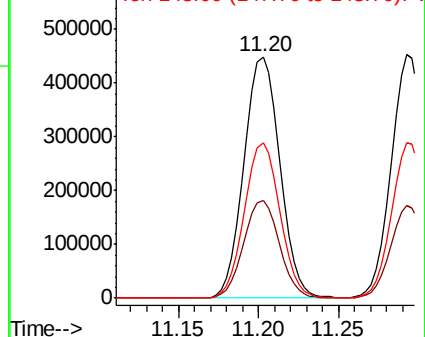
146 100

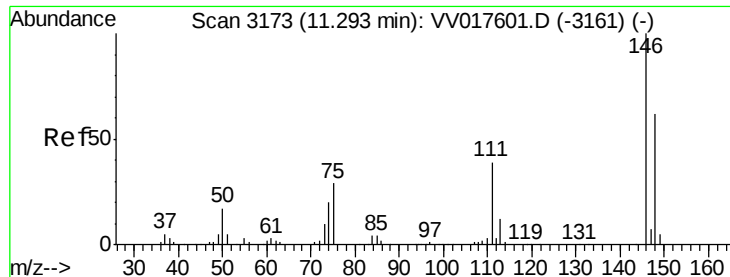
111 40.2 27.3 50.7

148 64.4 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: 19.418 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV017603.D

Acq: 23 Jul 2020 14:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD02034

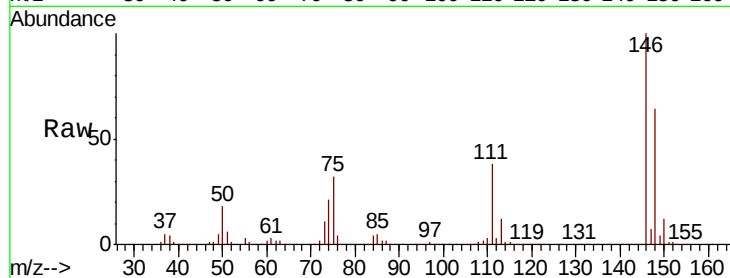
Tot Ion:146 Resp: 683778

Ion Ratio Lower Upper

146 100

111 38.2 27.4 51.0

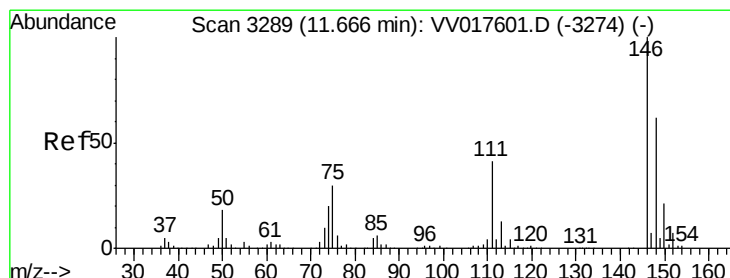
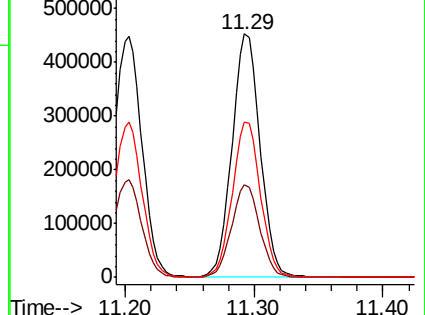
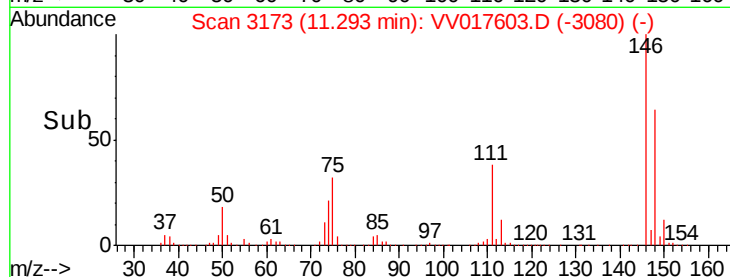
148 63.8 43.8 81.4



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: 19.351 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV017603.D

Acq: 23 Jul 2020 14:07

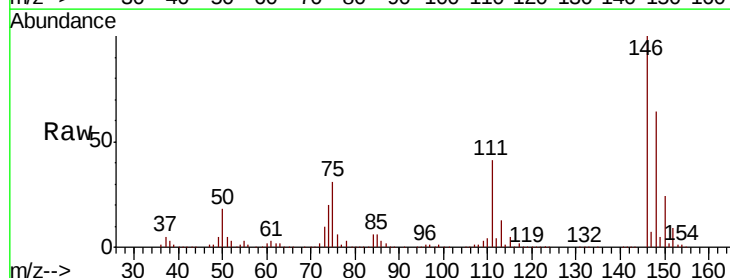
Tgt Ion:146 Resp: 624446

Ion Ratio Lower Upper

146 100

111 41.1 33.0 49.4

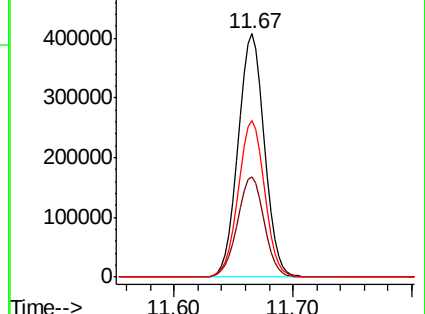
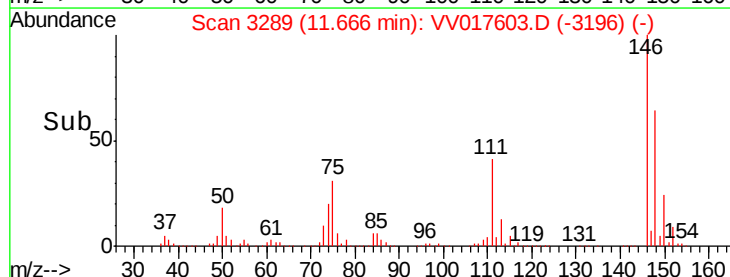
148 64.5 49.9 74.9

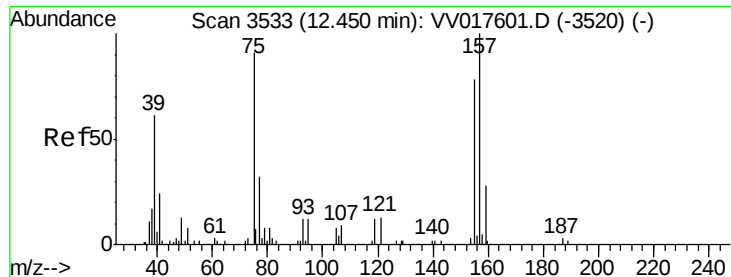


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

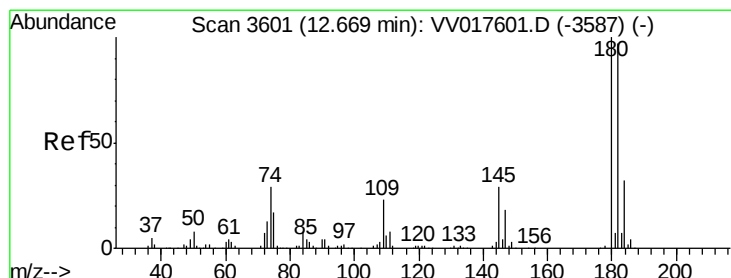
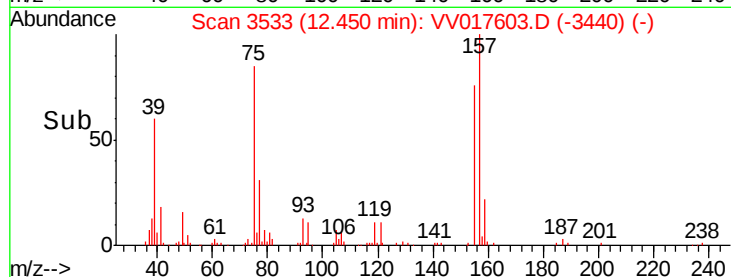
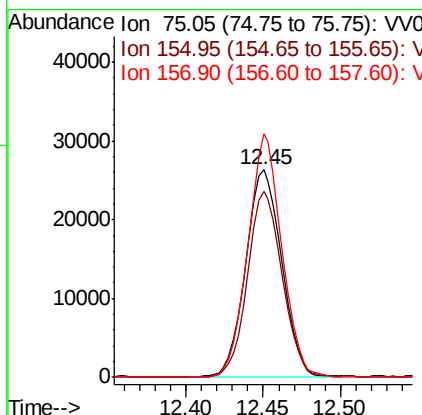
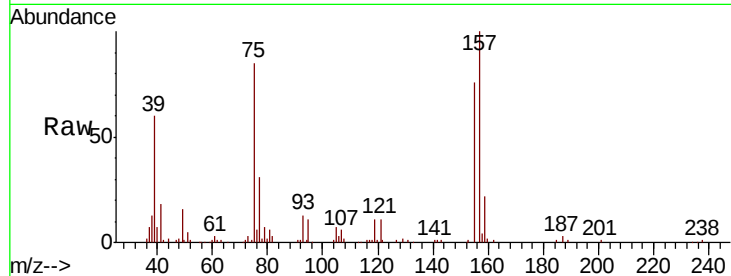




#67
 1,2-Dibromo-3-chloropropane
 Concen: 21.249 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV017603.D
 Acq: 23 Jul 2020 14:07

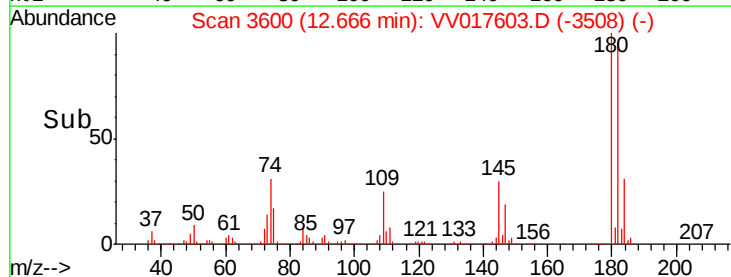
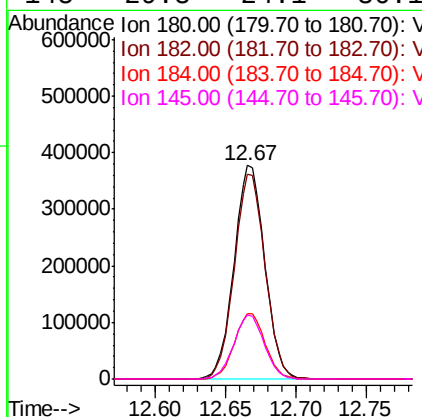
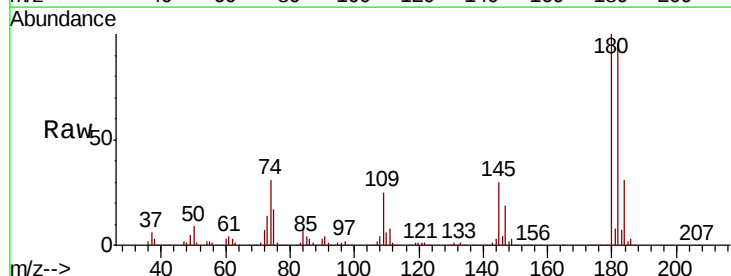
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02034

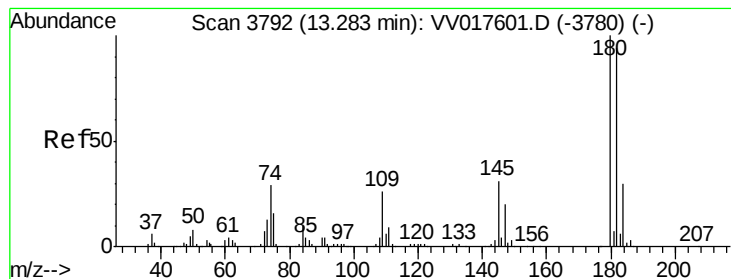
Tot Ion: 75 Resp: 42907
 Ion Ratio Lower Upper
 75 100
 155 89.4 68.7 103.1
 157 117.3 87.8 131.8



#68
 1,3,5-Trichlorobenzene
 Concen: 20.068 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV017603.D
 Acq: 23 Jul 2020 14:07

Tgt Ion: 180 Resp: 576384
 Ion Ratio Lower Upper
 180 100
 182 95.9 77.1 115.7
 184 30.5 25.2 37.8
 145 29.8 24.1 36.1





#69

1,2,4-trichlorobenzene

Concen: 21.145 ug/L

RT: 13.28 min Scan# 3792

Delta R.T. -0.00 min

Lab File: VV017603.D

Acq: 23 Jul 2020 14:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD02034

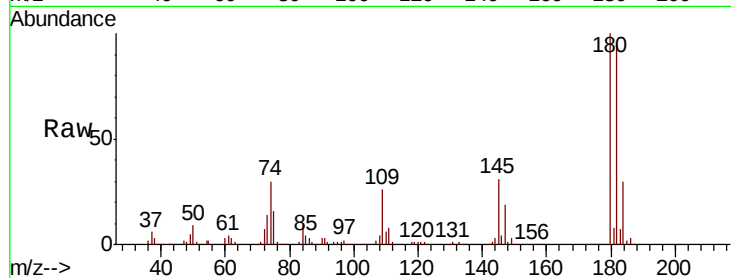
Tot Ion:180 Resp: 503738

Ion Ratio Lower Upper

180 100

182 95.7 75.4 113.2

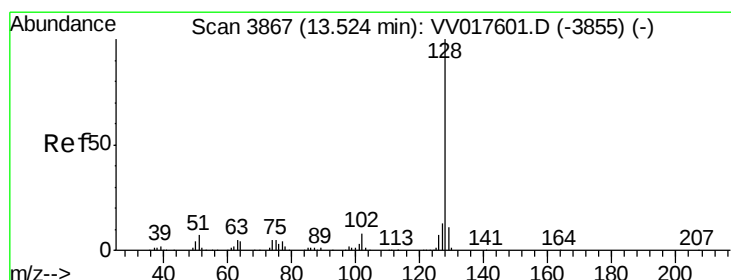
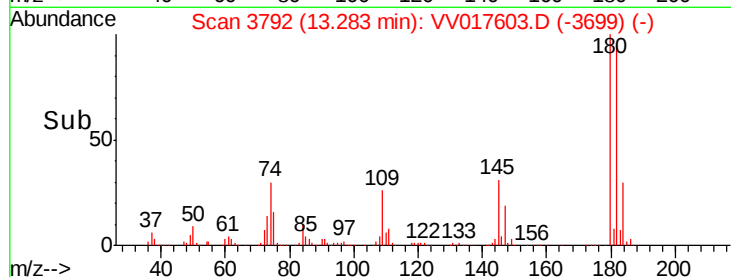
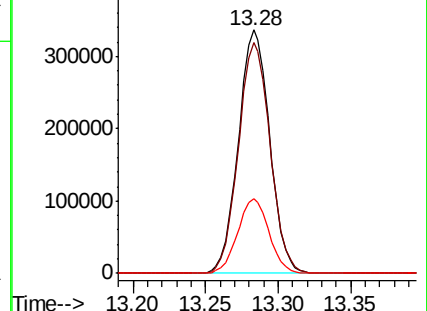
145 30.7 24.2 36.2



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: 23.150 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV017603.D

Acq: 23 Jul 2020 14:07

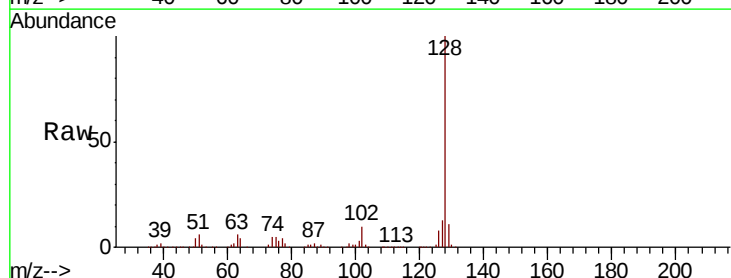
Tgt Ion:128 Resp: 781465

Ion Ratio Lower Upper

128 100

129 10.9 9.1 13.7

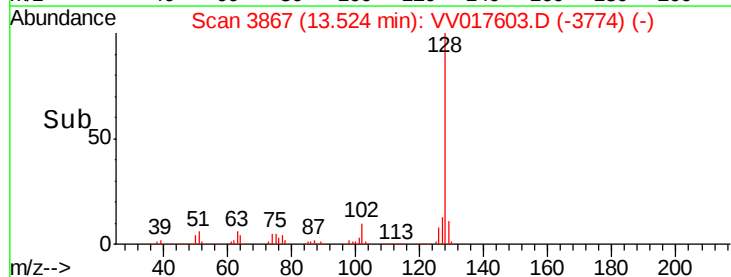
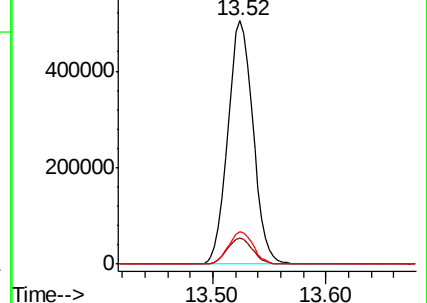
127 13.3 11.0 16.6

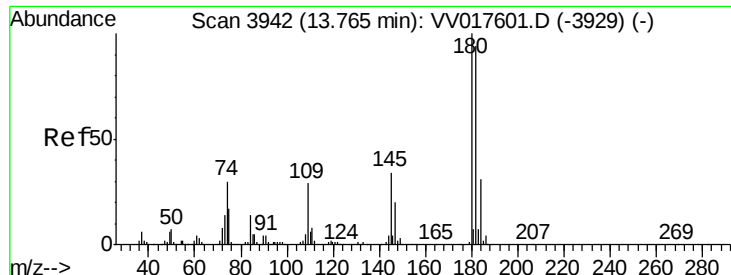


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#71
 1,2,3-Trichlorobenzene
 Concen: 21.036 ug/L
 RT: 13.77 min Scan# 3942
 Delta R.T. -0.00 min
 Lab File: VV017603.D
 Acq: 23 Jul 2020 14:07

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02034

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	74.2	111.4
145	33.3	26.0	39.0

