

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052020\
 Data File : VV016124.D
 Acq On : 20 May 2020 10:55
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 21 01:16:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 20 01:20:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	143394	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	142775	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	73609	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	37423	4.81	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.20%
7) Chloroethane-d5	1.58	69	39274	5.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.60%
11) 1,1-Dichloroethene-d2	2.12	63	81314	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.20%
20) 2-Butanone-d5	3.97	46	43293	19.51	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	39.02%#
24) Chloroform-d	4.38	84	86424	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
26) 1,2-Dichloroethane-d4	5.06	65	53680	5.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.20%
32) Benzene-d6	5.07	84	178267	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.00%
36) 1,2-Dichloropropane-d6	6.09	67	55578	5.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.20%
41) Toluene-d8	7.34	98	166179	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.40%
45) trans-1,3-Dichloropropene-	7.64	79	21471	5.28	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	105.60%
48) 2-Hexanone-d5	8.12	63	107851	60.32	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.64%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	45146	6.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	123.80%#
65) 1,2-Dichlorobenzene-d4	11.65	152	62080	5.20	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	52050	4.737 ug/L	99
3) Chloromethane	1.25	50	54805	4.927 ug/L	99
5) Vinyl chloride	1.32	62	53158	4.997 ug/L	96
6) Bromomethane	1.53	94	33084	5.480 ug/L	99
8) Chloroethane	1.60	64	33022	4.357 ug/L	98
9) Trichlorofluoromethane	1.76	101	76896	5.270 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	42676	5.178 ug/L	98
12) 1,1-Dichloroethene	2.13	96	40393	5.119 ug/L	87
13) Acetone	2.26	43	28087	19.188 ug/L	82
14) Carbon disulfide	2.31	76	117094	4.494 ug/L	99
15) Methyl Acetate	2.47	43	19530	5.774 ug/L #	89
16) Methylene chloride	2.52	84	44075	4.668 ug/L	91
17) Methyl tert-butyl Ether	2.80	73	101750	4.962 ug/L	98
18) trans-1,2-Dichloroethene	2.78	96	43468	4.984 ug/L	98
19) 1,1-Dichloroethane	3.21	63	85727	5.104 ug/L	99
21) 2-Butanone	4.06	43	124420	55.812 ug/L	97
22) cis-1,2-Dichloroethene	3.94	96	48489	5.311 ug/L	98

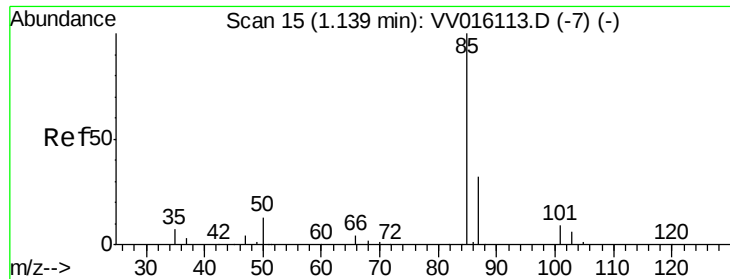
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052020\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	20775	5.332	ug/L	92
25) Chloroform	4.40	83	104291	5.638	ug/L	98
27) 1,2-Dichloroethane	5.16	62	59602	5.244	ug/L	100
29) 1,1,1-Trichloroethane	4.63	97	82601	5.246	ug/L	99
30) Cyclohexane	4.69	56	76707	4.862	ug/L	99
31) Carbon tetrachloride	4.85	117	69062	5.083	ug/L	98
33) Benzene	5.12	78	190469	5.302	ug/L	100
34) Trichloroethene	5.94	95	48707	4.751	ug/L	94
35) Methylcyclohexane	6.15	83	78022	5.031	ug/L	99
37) 1,2-Dichloropropane	6.20	63	46753	5.123	ug/L	98
38) Bromodichloromethane	6.53	83	59738	5.155	ug/L	95
39) cis-1,3-Dichloropropene	7.05	75	64009	4.962	ug/L	99
40) 4-Methyl-2-pentanone	7.26	43	303533	53.362	ug/L	100
42) Toluene	7.41	91	206206	5.416	ug/L	99
43) 1,3,5-Trimethylbenzene	10.56	105	187056	5.352	ug/L #	100
44) 1,2,4-Trimethylbenzene	10.94	105	186543	5.341	ug/L #	100
46) trans-1,3-Dichloropropene	7.68	75	56127	5.151	ug/L	100
47) 1,1,2-Trichloroethane	7.86	97	31794	5.217	ug/L	98
49) Tetrachloroethene	7.99	164	38569	5.391	ug/L	97
50) 2-Hexanone	8.17	43	219532	54.575	ug/L	99
51) Dibromochloromethane	8.27	129	35844	5.234	ug/L	98
52) 1,2-Dibromoethane	8.38	107	29634	5.243	ug/L	98
53) Chlorobenzene	8.90	112	131347	5.364	ug/L	100
54) Ethylbenzene	9.03	91	229953	5.311	ug/L	99
55) m,p-xylene	9.16	106	88170	5.500	ug/L	95
56) o-xylene	9.56	106	82012	5.351	ug/L	99
57) Styrene	9.58	104	142284	5.550	ug/L	100
58) Isopropylbenzene	9.95	105	226154	5.371	ug/L	99
60) 1,1,2,2-Tetrachloroethane	10.26	83	38172	5.861	ug/L	100
62) Bromoform	9.75	173	17085	5.052	ug/L	98
63) 1,3-Dichlorobenzene	11.20	146	106117	5.351	ug/L	99
64) 1,4-Dichlorobenzene	11.30	146	105783	5.309	ug/L	99
66) 1,2-Dichlorobenzene	11.67	146	95594	5.326	ug/L	97
67) 1,2-Dibromo-3-chloropropan	12.45	75	6727	5.742	ug/L	90
68) 1,3,5-Trichlorobenzene	12.67	180	74244	5.120	ug/L	99
69) 1,2,4-trichlorobenzene	13.29	180	63894	5.128	ug/L	98
70) Naphthalene	13.53	128	104556	5.277	ug/L	99
71) 1,2,3-Trichlorobenzene	13.77	180	58289	5.303	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 4.737 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV016124.D

Acq: 20 May 2020 10:55

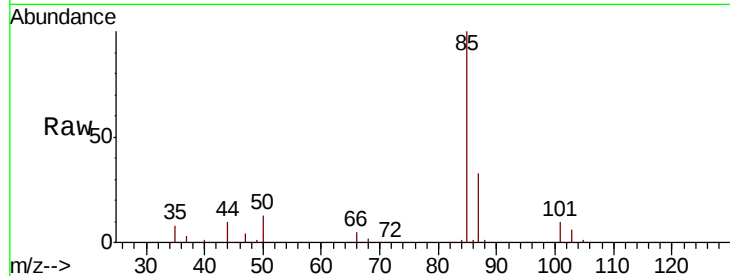
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 52050

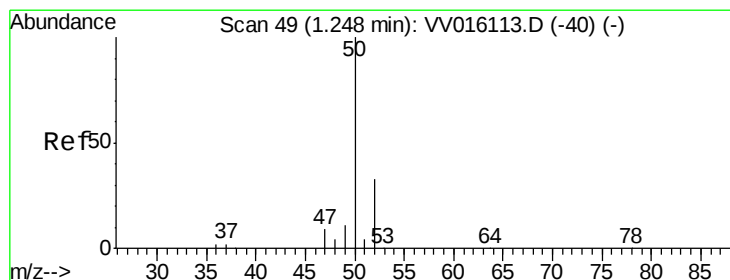
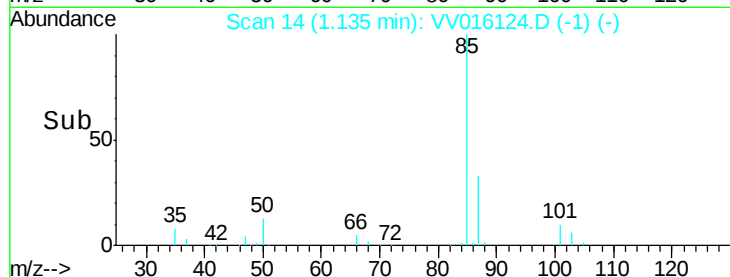
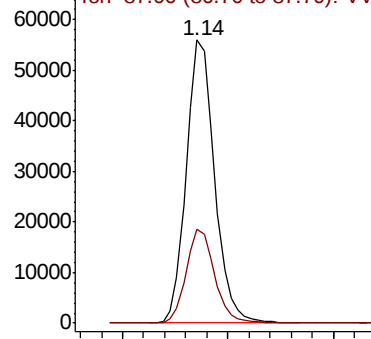
Ion Ratio Lower Upper

85 100

87 33.3 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV0
Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.927 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV016124.D

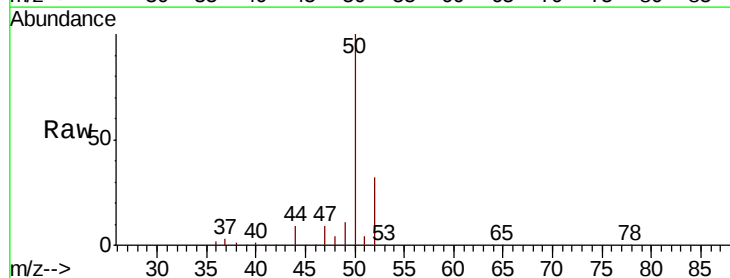
Acq: 20 May 2020 10:55

Tgt Ion: 50 Resp: 54805

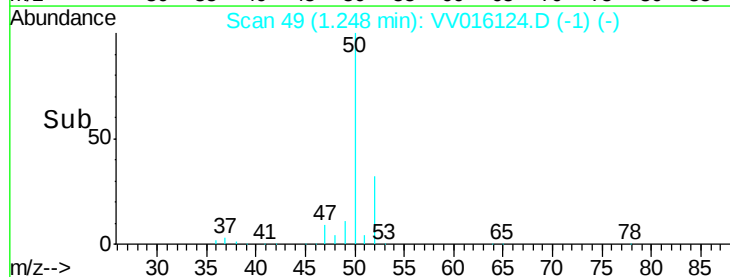
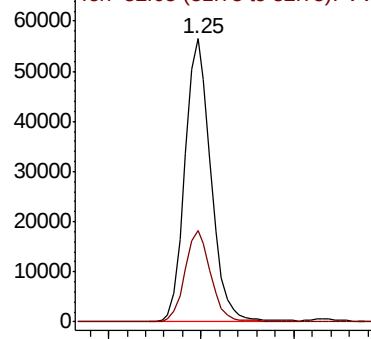
Ion Ratio Lower Upper

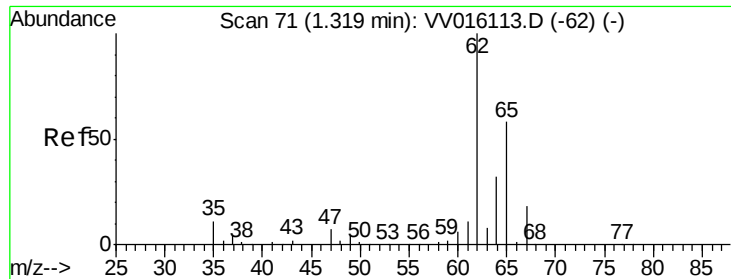
50 100

52 32.3 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VV0
Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.997 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV016124.D

Acq: 20 May 2020 10:55

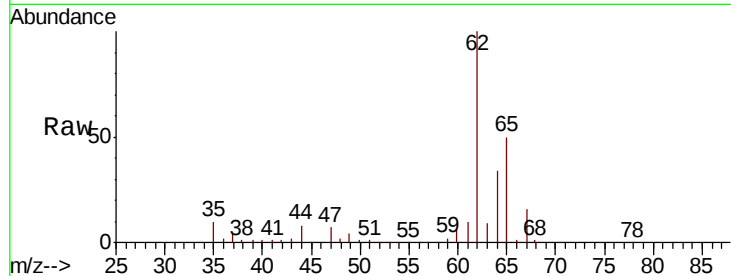
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 53158

Ion Ratio Lower Upper

62 100

64 34.1 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

50000

40000

30000

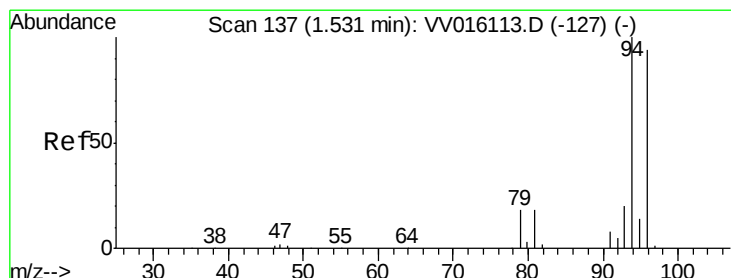
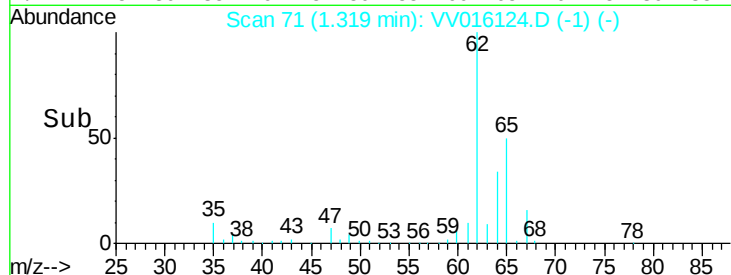
20000

10000

0

Time-->

1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 5.480 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV016124.D

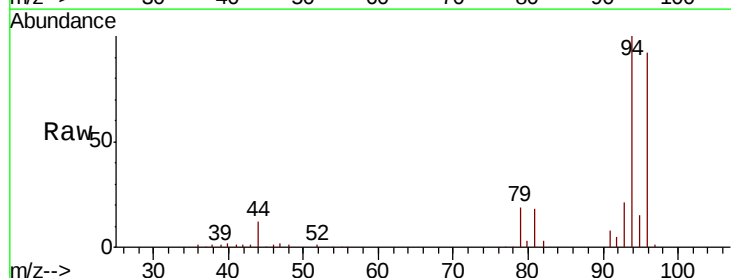
Acq: 20 May 2020 10:55

Tgt Ion: 94 Resp: 33084

Ion Ratio Lower Upper

94 100

96 92.1 65.4 121.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

30000

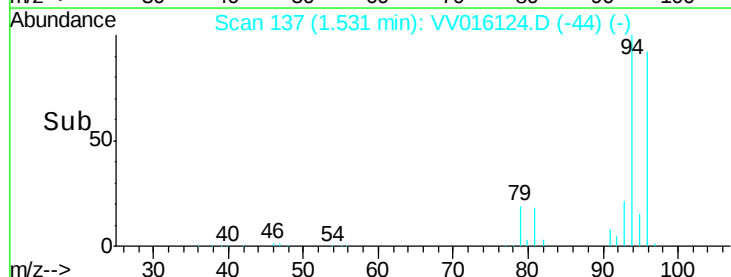
20000

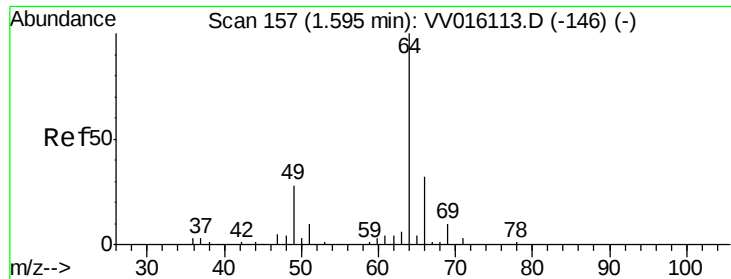
10000

0

Time-->

1.50 1.55 1.60

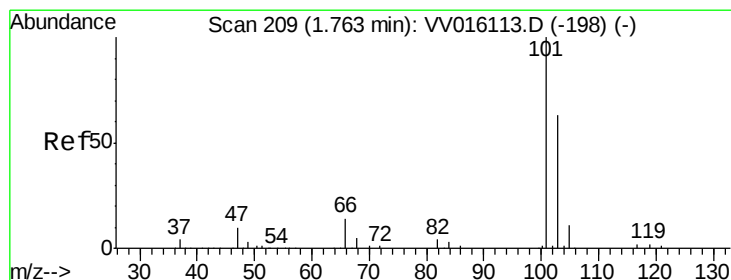
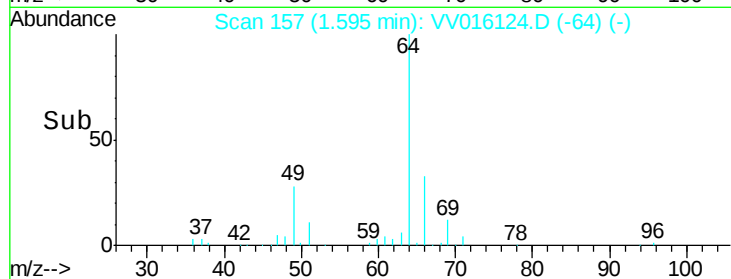
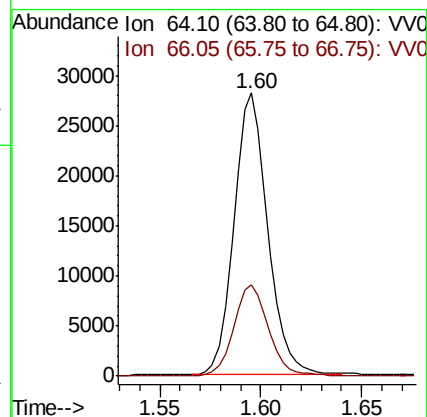
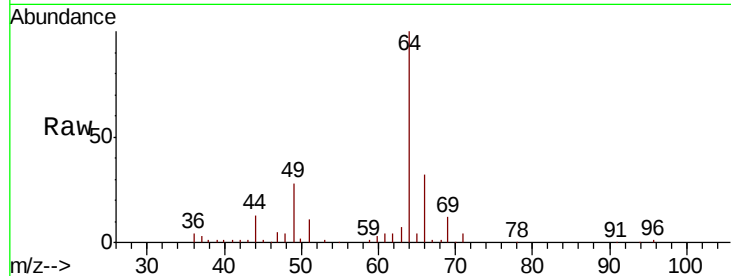




#8
Chloroethane
Concen: 4.357 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV016124.D
Acq: 20 May 2020 10:55

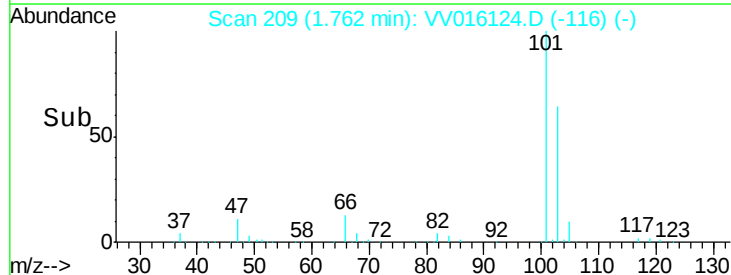
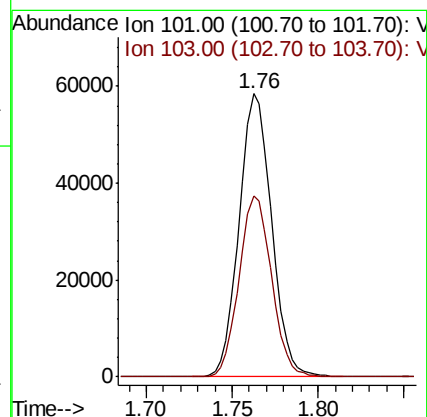
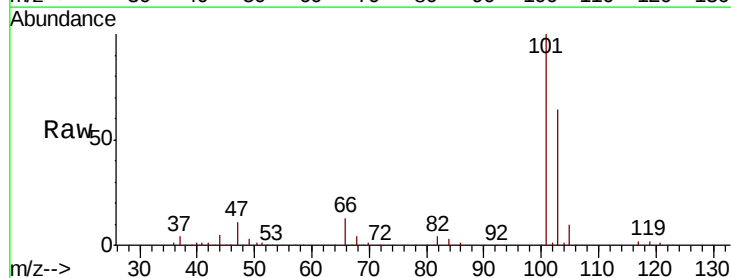
Instrument :
MSVOA_V
ClientSampleId :

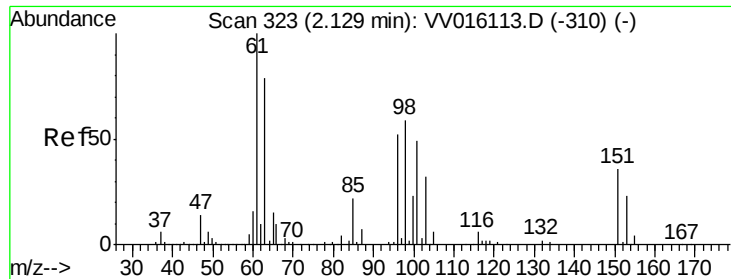
Tot Ion: 64 Resp: 33022
Ion Ratio Lower Upper
64 100
66 32.4 23.6 43.8



#9
Trichlorofluoromethane
Concen: 5.270 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV016124.D
Acq: 20 May 2020 10:55

Tgt Ion:101 Resp: 76896
Ion Ratio Lower Upper
101 100
103 63.8 51.4 77.2





#10

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

Concen: 5.178 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV016124.D

Acq: 20 May 2020 10:55

Instrument :

MSVOA_V

ClientSampled :

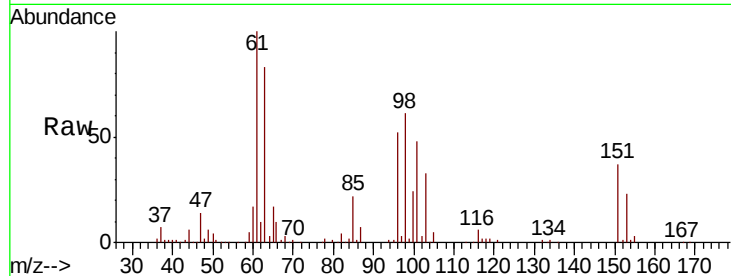
Tot Ion:101 Resp: 42676

Ion Ratio Lower Upper

101 100

85 44.8 35.7 53.5

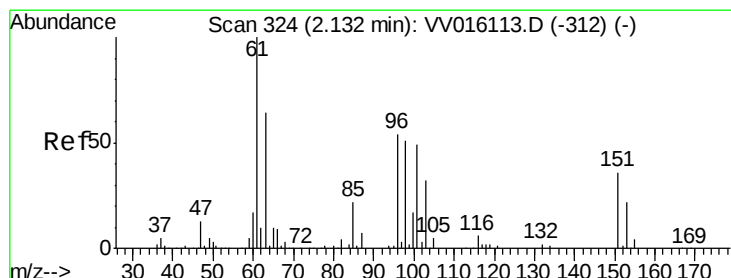
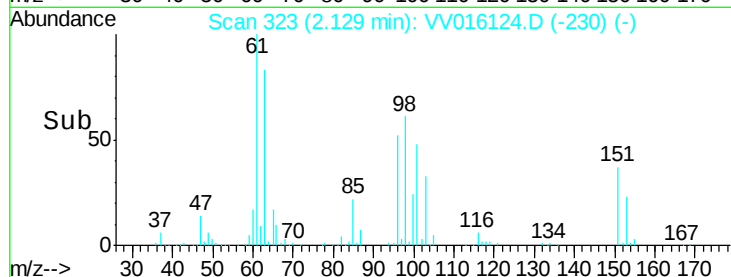
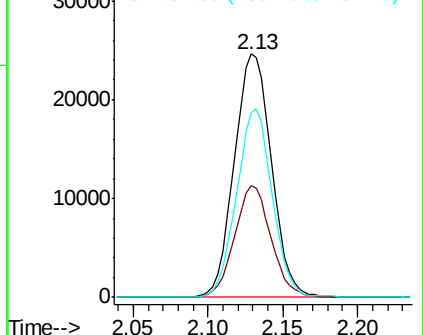
151 74.4 58.0 87.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.119 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV016124.D

Acq: 20 May 2020 10:55

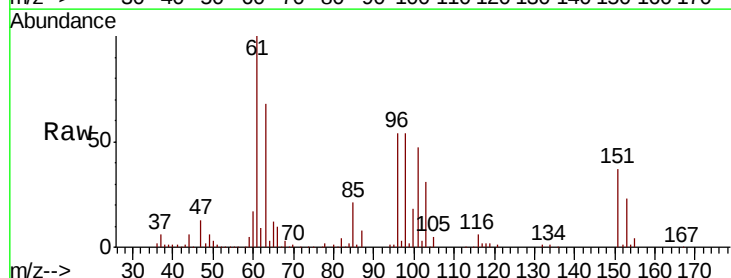
Tgt Ion: 96 Resp: 40393

Ion Ratio Lower Upper

96 100

61 186.5 139.9 259.7

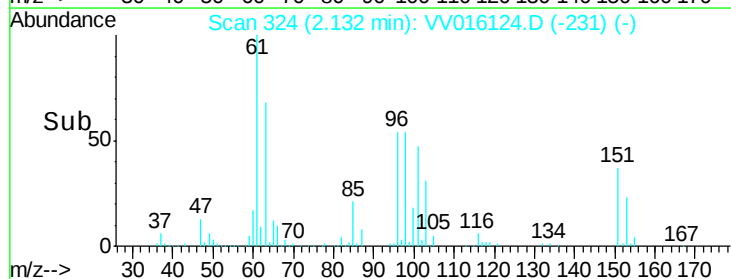
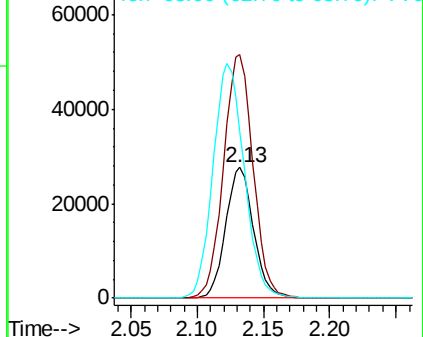
63 127.4 106.4 197.6

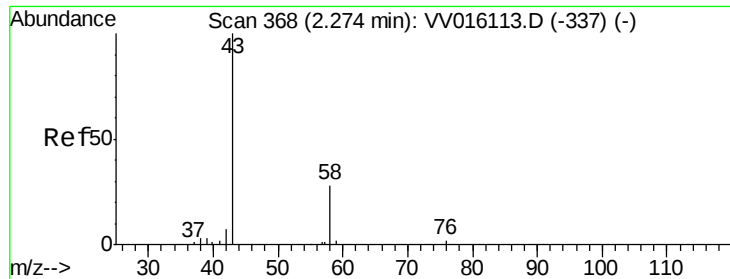


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 19.188 ug/L

RT: 2.26 min Scan# 364

Delta R.T. -0.01 min

Lab File: VV016124.D

Acq: 20 May 2020 10:55

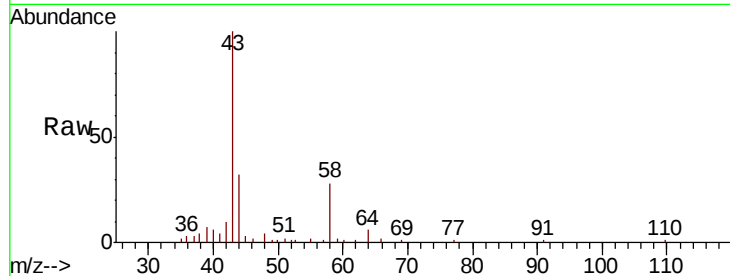
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 28087

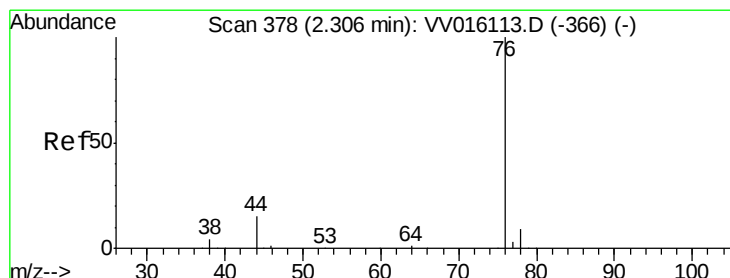
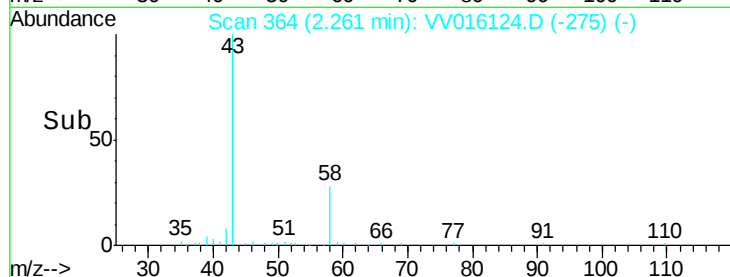
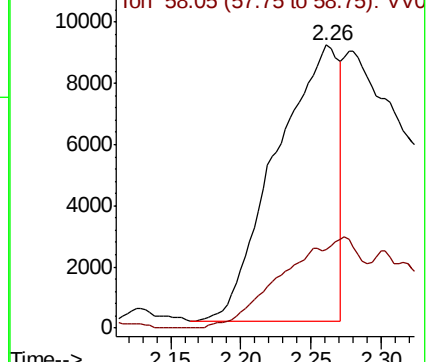
Ion Ratio Lower Upper

43 100

58 22.9 0.0 30.8



Abundance Ion 43.05 (42.75 to 43.75): VV016113.D (-337) (-)



#14

Carbon disulfide

Concen: 4.494 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV016124.D

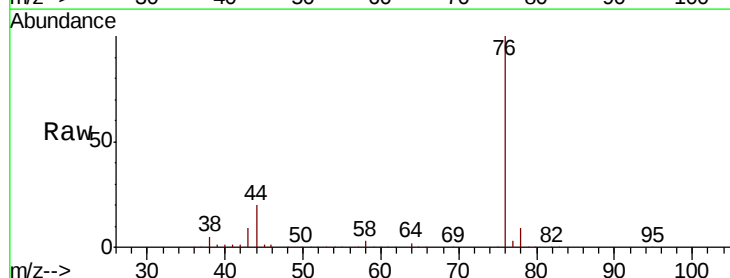
Acq: 20 May 2020 10:55

Tgt Ion: 76 Resp: 117094

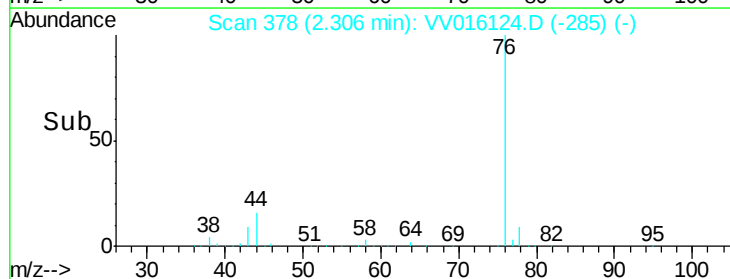
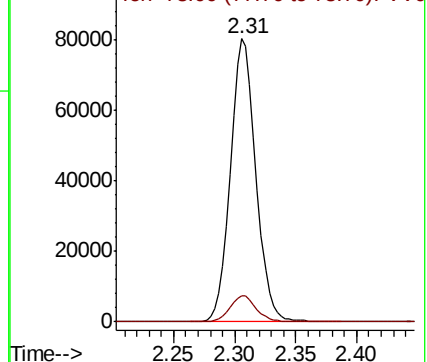
Ion Ratio Lower Upper

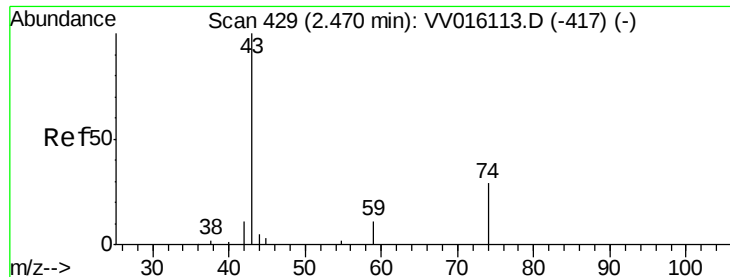
76 100

78 9.3 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VV016113.D (-366) (-)





#15

Methvl Acetate

Concen: 5.774 ug/L

RT: 2.47 min Scan# 428

Delta R.T. -0.00 min

Lab File: VV016124.D

Acq: 20 May 2020 10:55

Instrument :

MSVOA_V

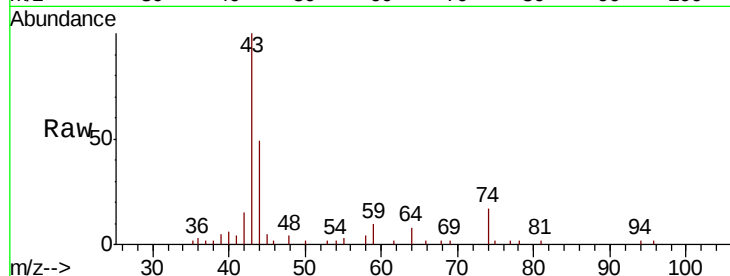
ClientSampleId :

Tot Ion: 43 Resp: 19530

Ion Ratio Lower Upper

43 100

74 18.5 19.2 28.8#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

8000

6000

4000

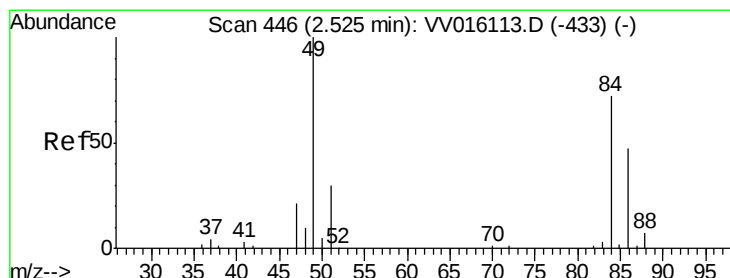
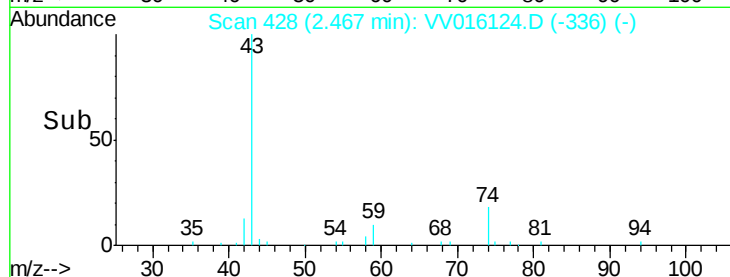
2000

0

Time-->

2.40 2.45 2.50 2.55 2.60

2.47



#16

Methylene chloride

Concen: 4.668 ug/L

RT: 2.52 min Scan# 446

Delta R.T. -0.00 min

Lab File: VV016124.D

Acq: 20 May 2020 10:55

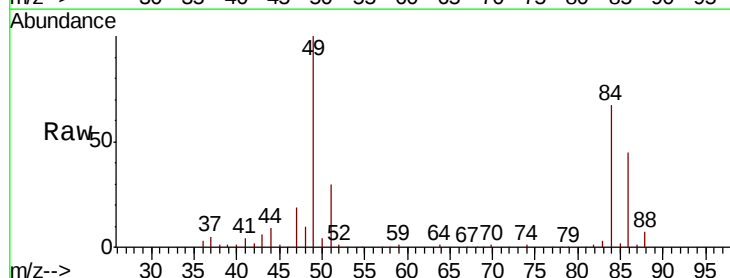
Tgt Ion: 84 Resp: 44075

Ion Ratio Lower Upper

84 100

86 66.8 45.6 84.8

49 148.9 93.6 173.8



Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

50000

40000

30000

20000

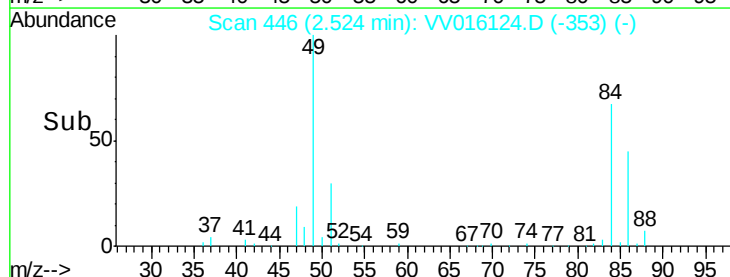
10000

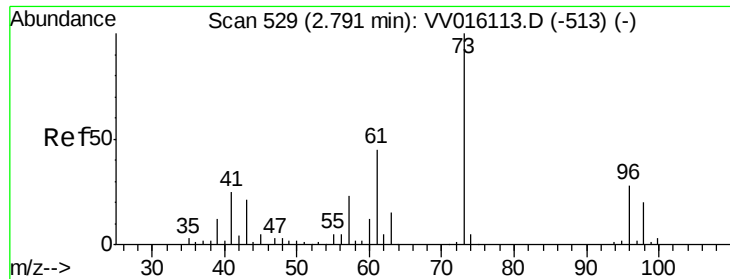
0

Time-->

2.50 2.55 2.60

2.52

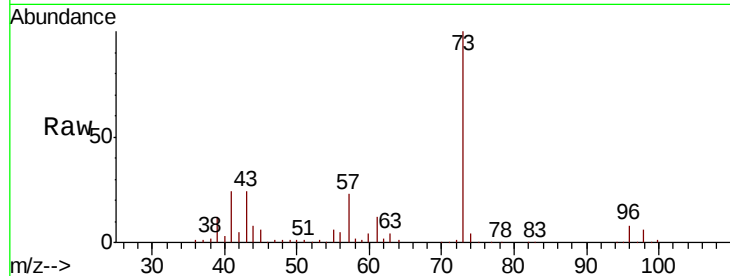




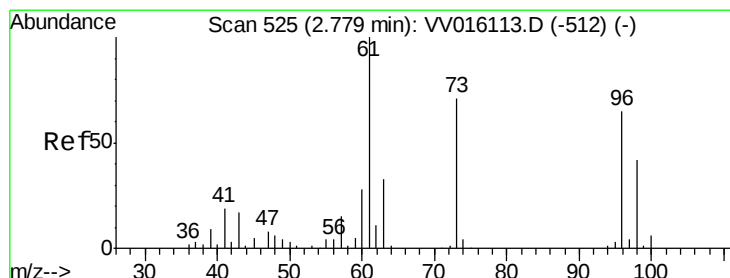
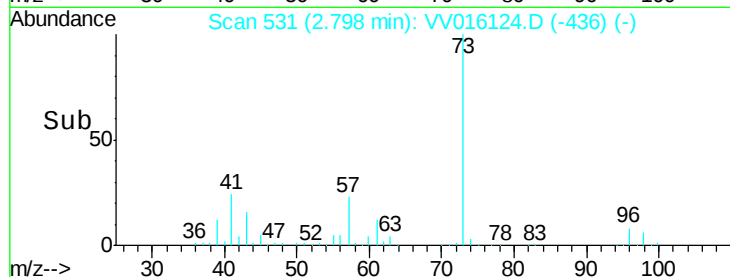
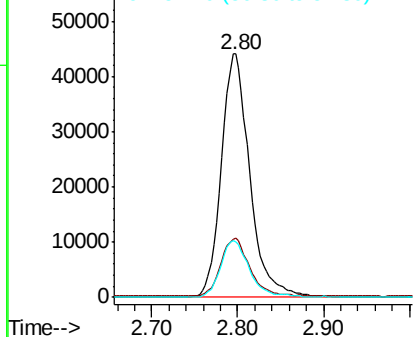
#17
Methvl tert-butvl Ether
Concen: 4.962 ug/L
RT: 2.80 min Scan# 531
Delta R.T. 0.01 min
Lab File: VV016124.D
Acq: 20 May 2020 10:55

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 73 Resp: 101750
Ion Ratio Lower Upper
73 100
43 23.9 18.8 28.2
57 23.8 17.8 26.6

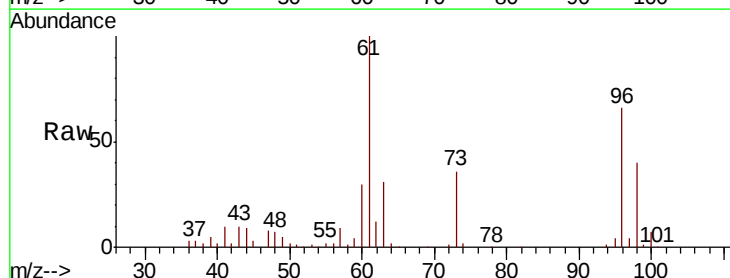


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

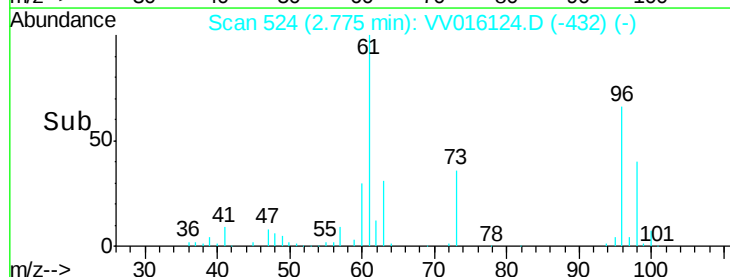
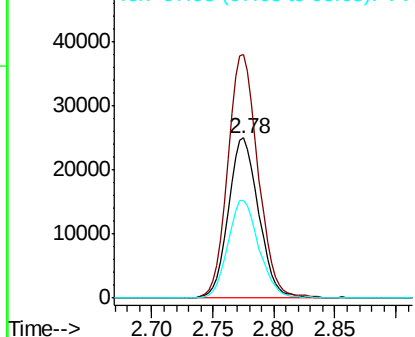


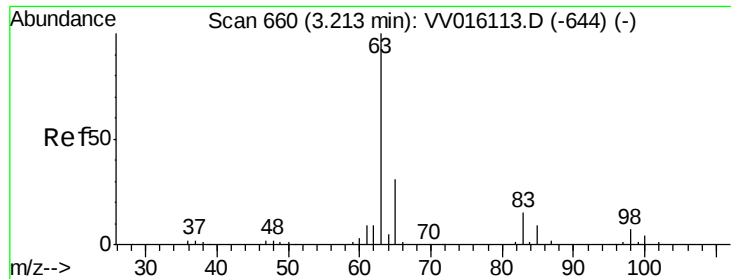
#18
trans-1,2-Dichloroethene
Concen: 4.984 ug/L
RT: 2.78 min Scan# 524
Delta R.T. -0.00 min
Lab File: VV016124.D
Acq: 20 May 2020 10:55

Tgt Ion: 96 Resp: 43468
Ion Ratio Lower Upper
96 100
61 152.3 105.3 195.5
98 61.4 44.0 81.6



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

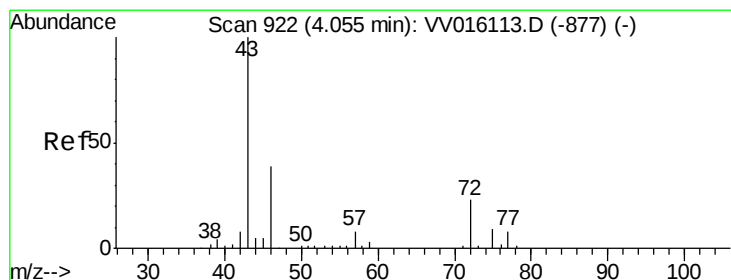
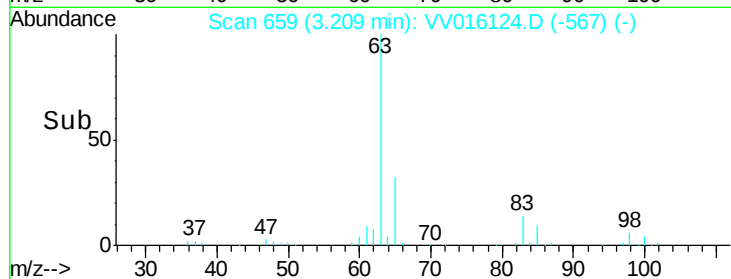
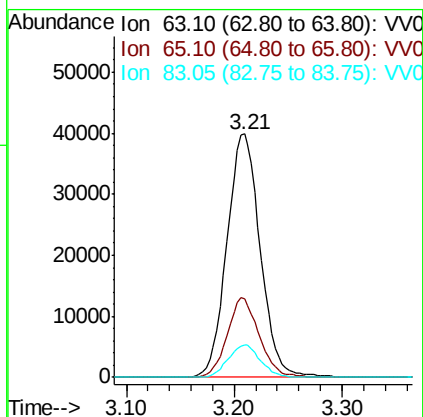
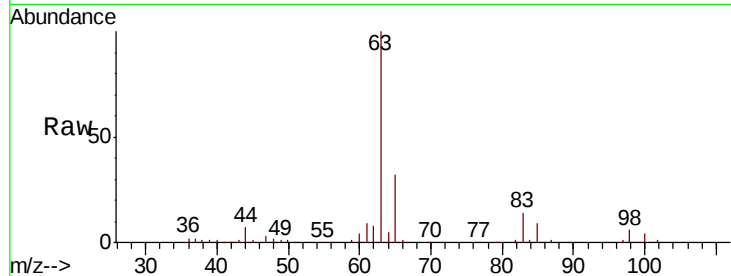




#19
 1,1-Dichloroethane
 Concen: 5.104 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV016124.D
 Acq: 20 May 2020 10:55

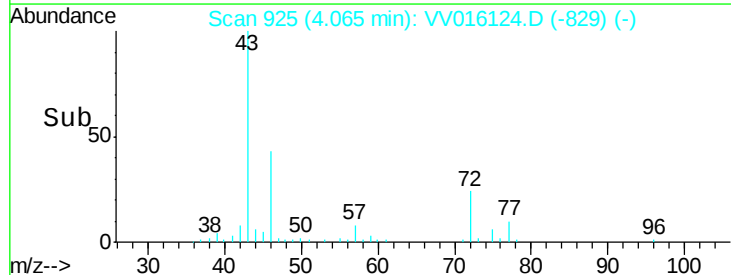
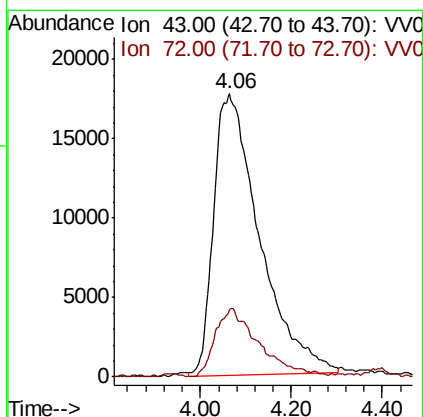
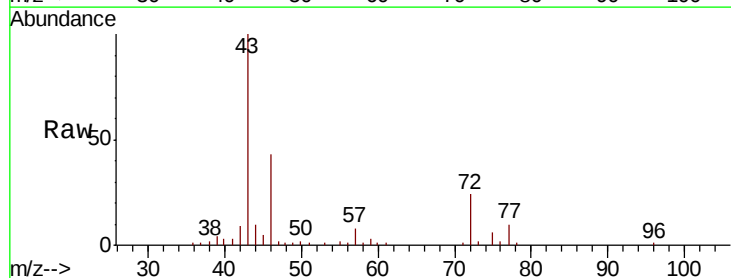
Instrument :
 MSVOA_V
 ClientSampled :

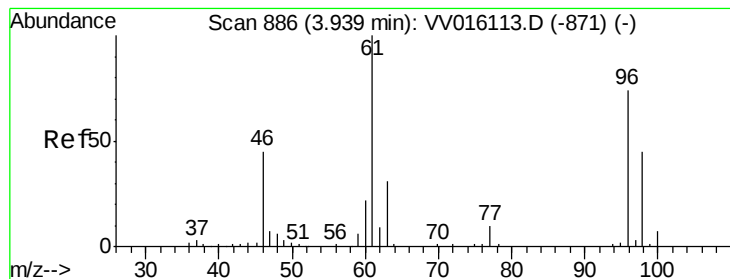
Tot Ion: 63 Resp: 85727
 Ion Ratio Lower Upper
 63 100
 65 32.2 22.0 41.0
 83 13.5 9.8 18.2



#21
 2-Butanone
 Concen: 55.812 ug/L
 RT: 4.06 min Scan# 925
 Delta R.T. 0.01 min
 Lab File: VV016124.D
 Acq: 20 May 2020 10:55

Tgt Ion: 43 Resp: 124420
 Ion Ratio Lower Upper
 43 100
 72 22.3 10.5 31.5



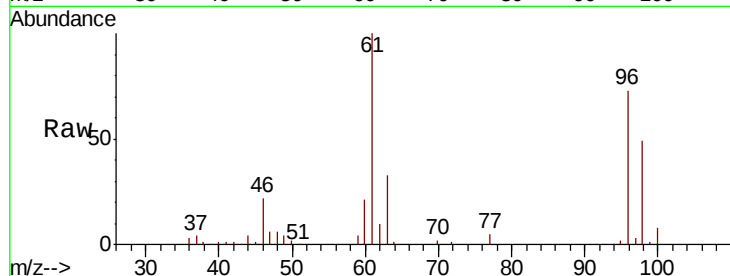


#22

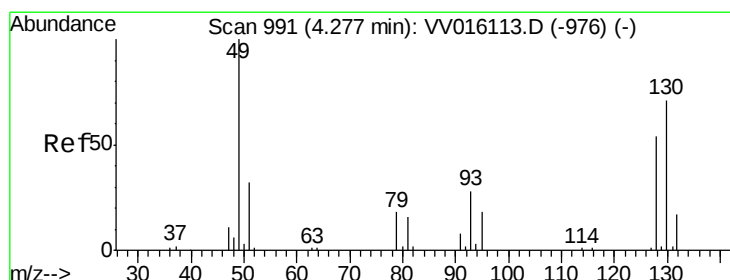
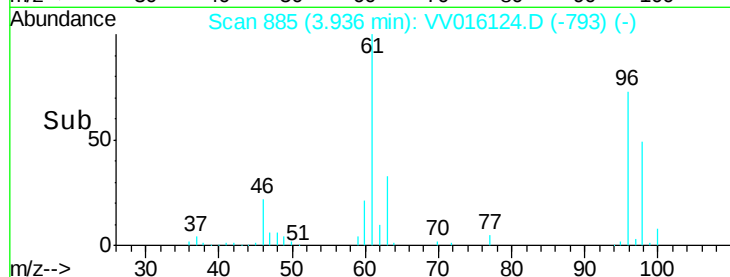
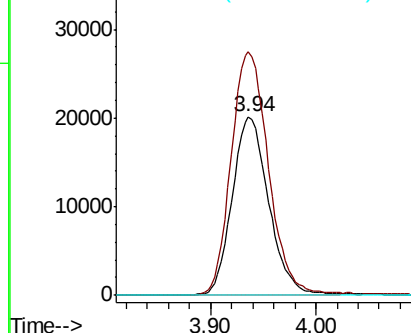
cis-1,2-Dichloroethene
Concen: 5.311 ug/L
RT: 3.94 min Scan# 885
Delta R.T. -0.00 min
Lab File: VV016124.D
Acq: 20 May 2020 10:55

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 48489
Ion Ratio Lower Upper
96 100
61 136.2 97.2 180.6
68 0.0 0.0 0.0



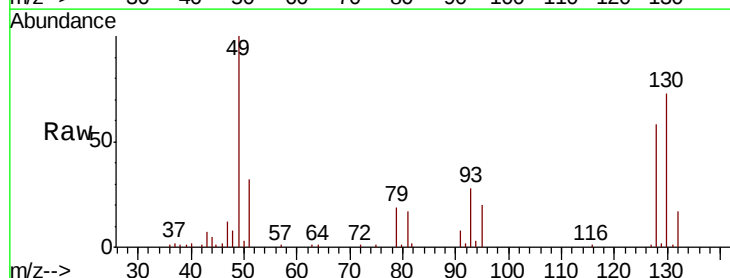
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



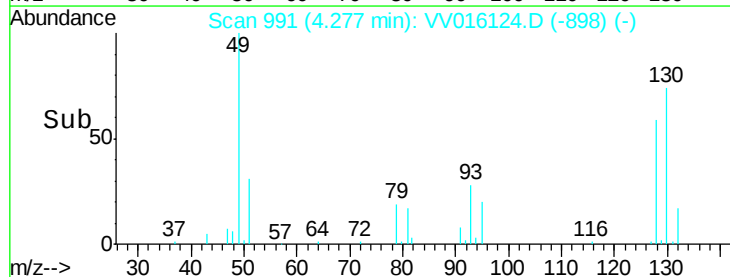
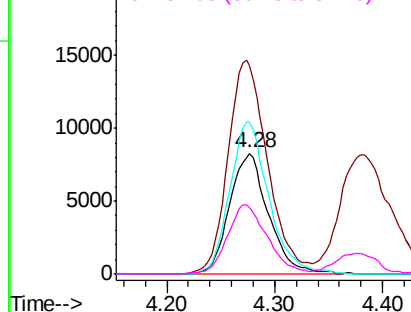
#23

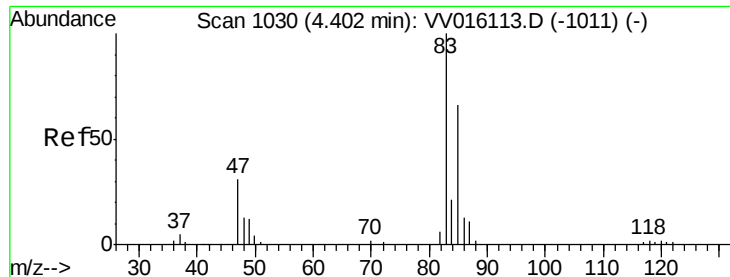
Bromochloromethane
Concen: 5.332 ug/L
RT: 4.28 min Scan# 991
Delta R.T. -0.00 min
Lab File: VV016124.D
Acq: 20 May 2020 10:55

Tgt Ion: 128 Resp: 20775
Ion Ratio Lower Upper
128 100
49 172.9 131.3 243.8
130 125.8 91.8 170.4
51 54.9 48.8 73.2



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

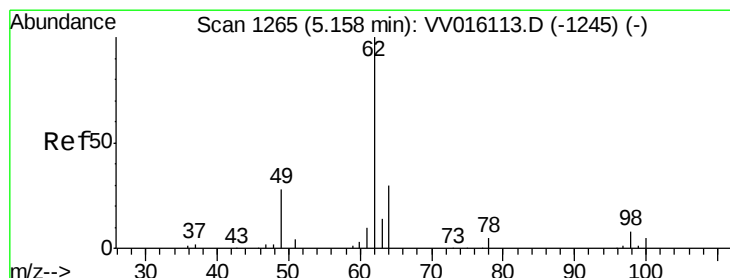
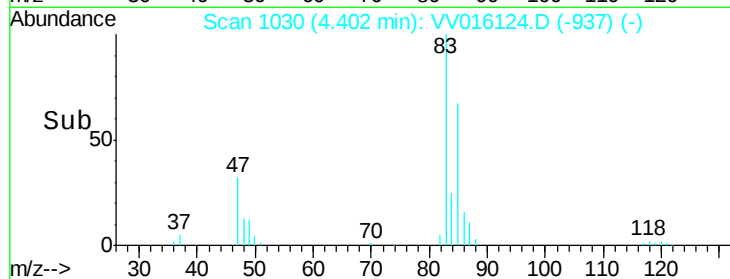
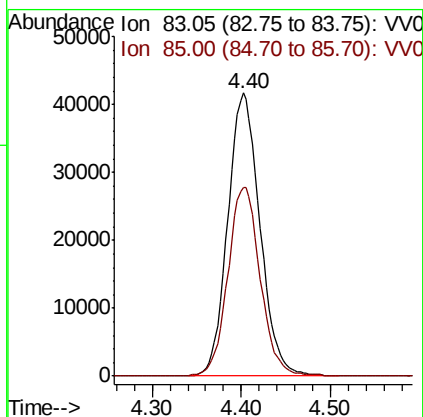
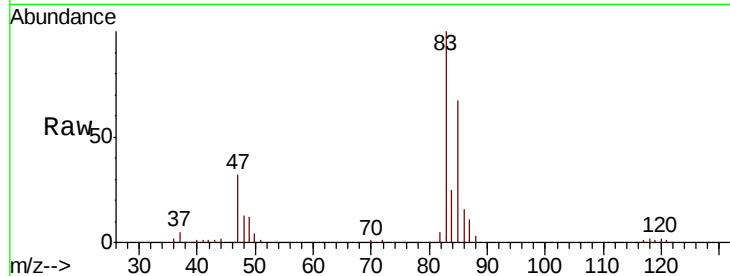




#25
Chloroform
Concen: 5.638 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV016124.D
Acq: 20 May 2020 10:55

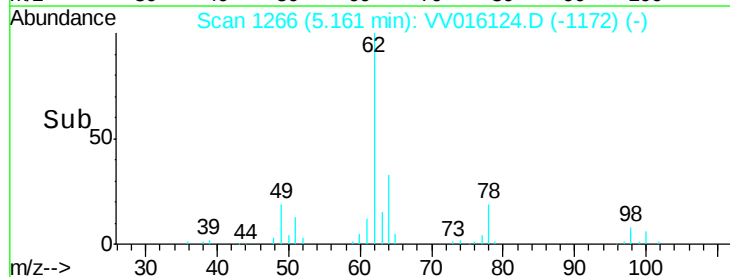
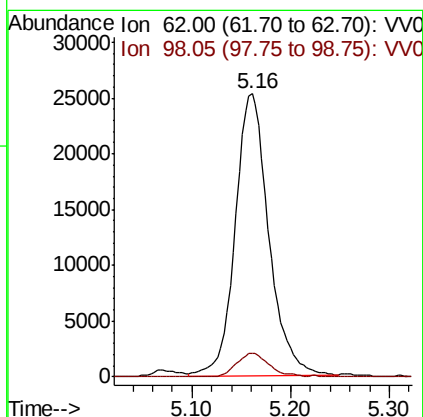
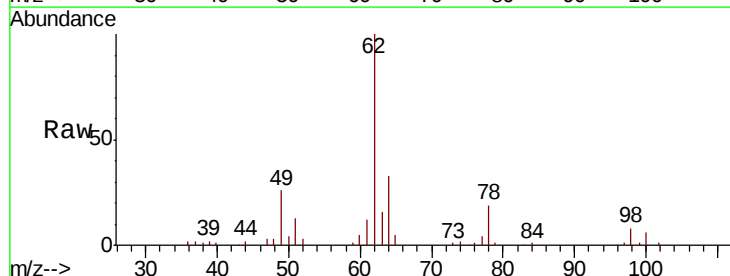
Instrument :
MSVOA_V
ClientSampleId :

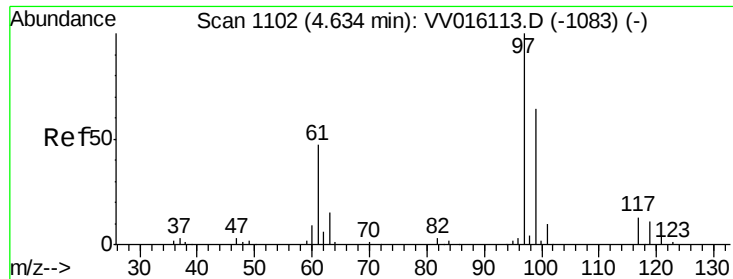
Tot Ion: 83 Resp: 104291
Ion Ratio Lower Upper
83 100
85 66.8 45.7 84.9



#27
1,2-Dichloroethane
Concen: 5.244 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VV016124.D
Acq: 20 May 2020 10:55

Tgt Ion: 62 Resp: 59602
Ion Ratio Lower Upper
62 100
98 8.4 6.7 10.1

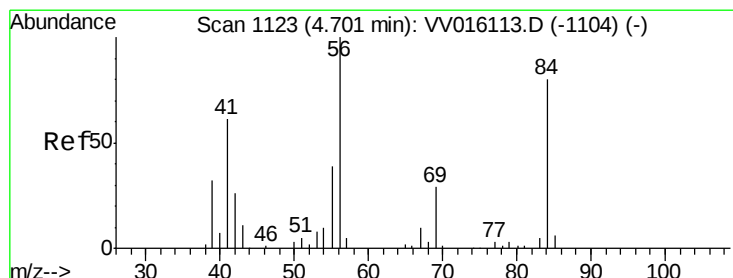
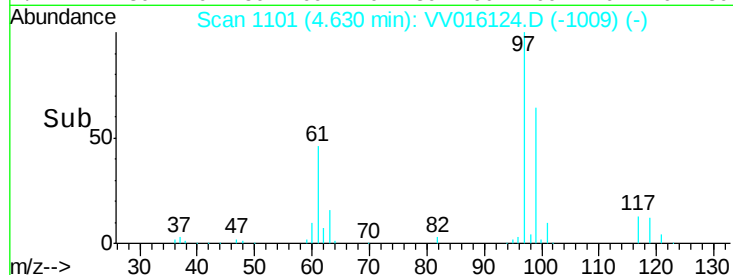
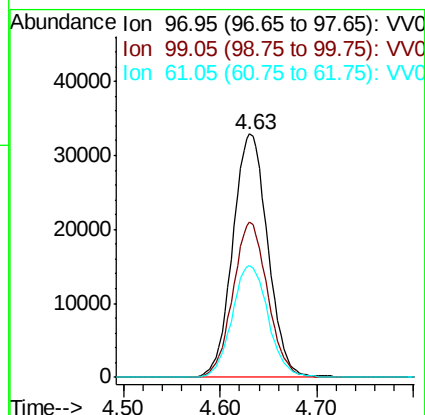
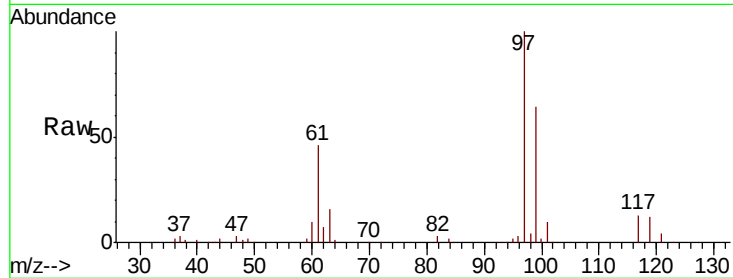




#29
 1,1,1-Trichloroethane
 Concen: 5.246 ug/L
 RT: 4.63 min Scan# 1101
 Delta R.T. -0.00 min
 Lab File: VV016124.D
 Acq: 20 May 2020 10:55

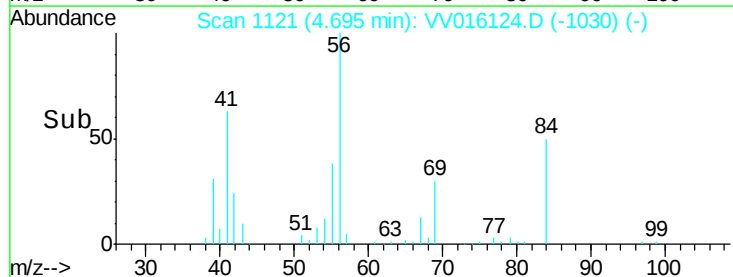
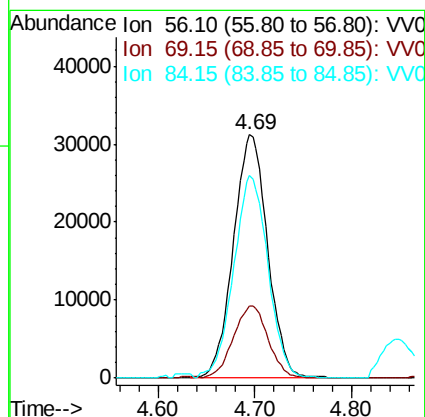
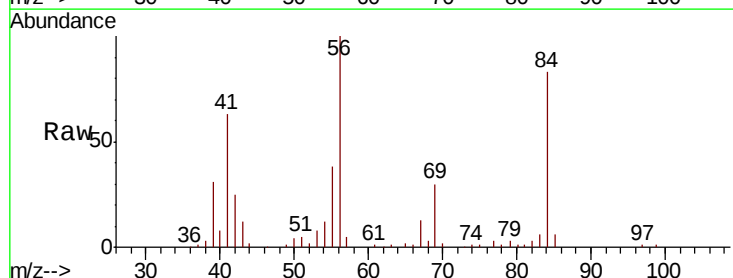
Instrument :
 MSVOA_V
 ClientSampleId :

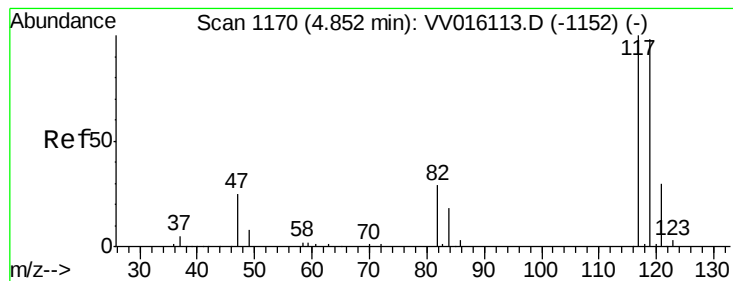
Tot Ion: 97 Resp: 82601
 Ion Ratio Lower Upper
 97 100
 99 63.2 50.7 76.1
 61 47.3 38.8 58.2



#30
 Cyclohexane
 Concen: 4.862 ug/L
 RT: 4.69 min Scan# 1121
 Delta R.T. -0.01 min
 Lab File: VV016124.D
 Acq: 20 May 2020 10:55

Tgt Ion: 56 Resp: 76707
 Ion Ratio Lower Upper
 56 100
 69 29.9 24.2 36.2
 84 83.7 68.3 102.5





#31

Carbon tetrachloride

Concen: 5.083 ug/L

RT: 4.85 min Scan# 1168

Delta R.T. -0.01 min

Lab File: VV016124.D

Acq: 20 May 2020 10:55

Instrument :

MSVOA_V

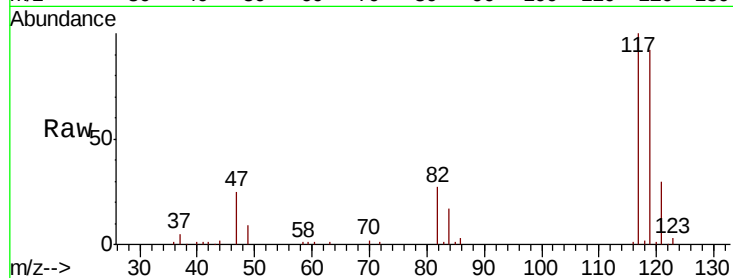
ClientSampleId :

Tot Ion:117 Resp: 69062

Ion Ratio Lower Upper

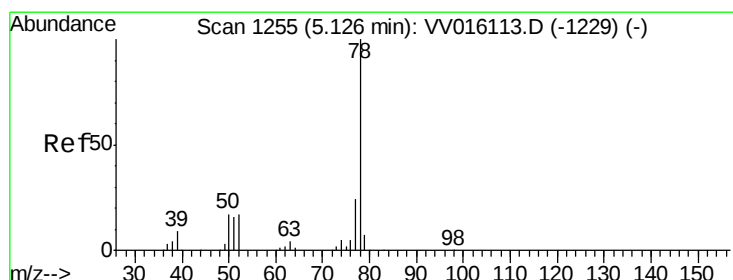
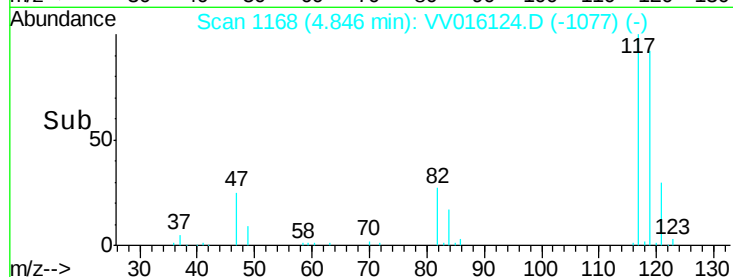
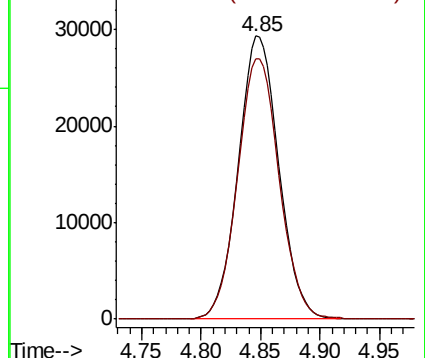
117 100

119 94.5 77.3 115.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.302 ug/L

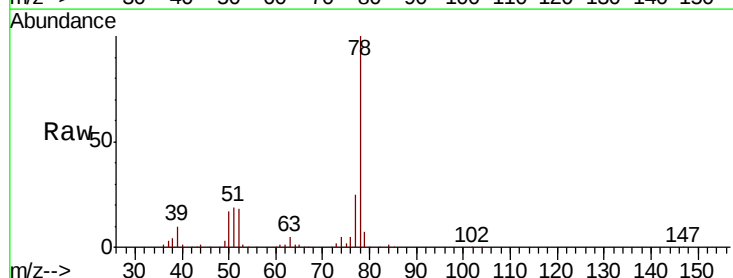
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

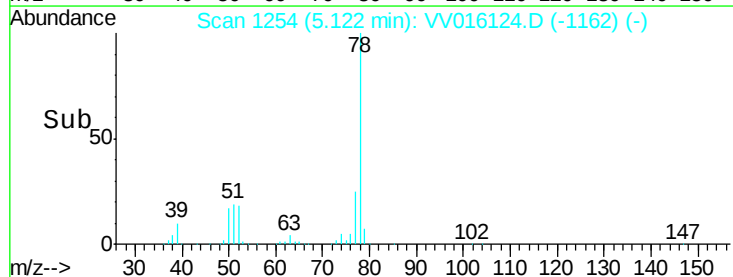
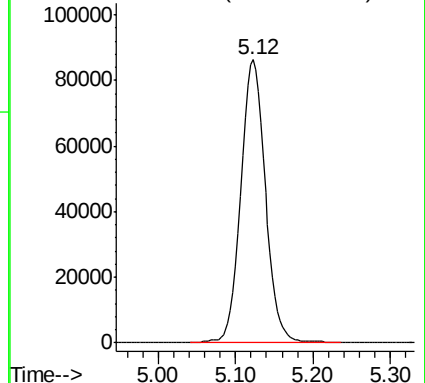
Lab File: VV016124.D

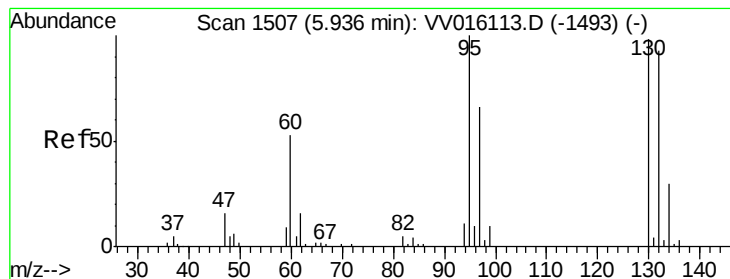
Acq: 20 May 2020 10:55

Tgt Ion: 78 Resp: 190469



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.751 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV016124.D

Acq: 20 May 2020 10:55

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 95 Resp: 48707

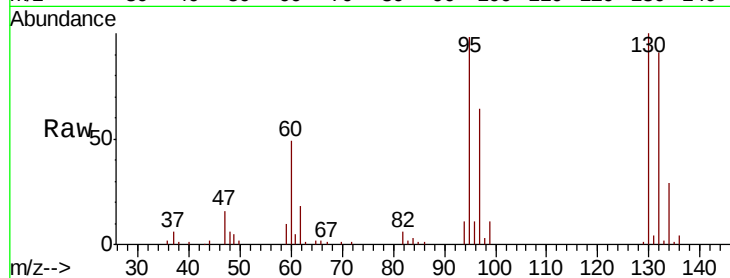
Ion Ratio Lower Upper

95 100

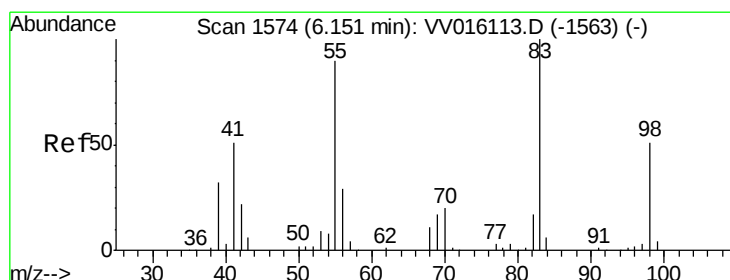
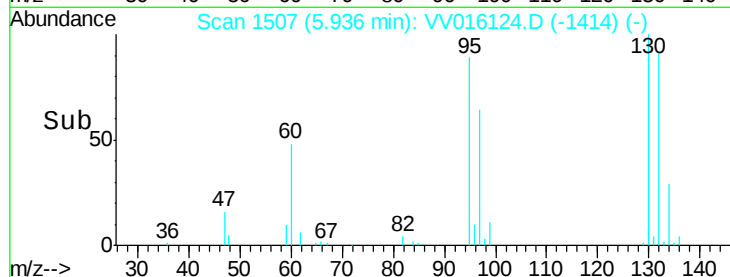
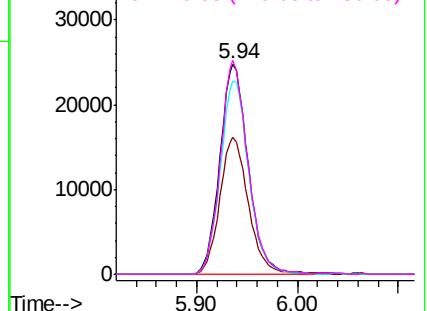
97 64.9 43.3 80.5

132 92.1 60.3 112.1

130 101.6 66.0 122.6



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



#35

Methylcyclohexane

Concen: 5.031 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VV016124.D

Acq: 20 May 2020 10:55

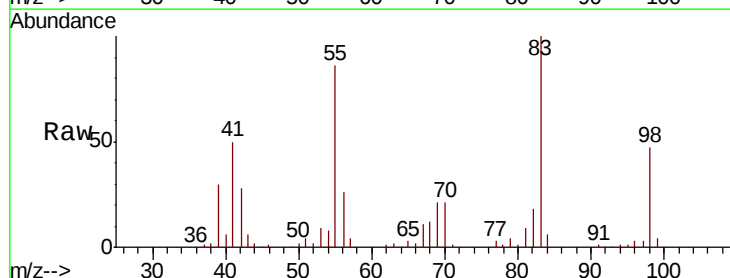
Tgt Ion: 83 Resp: 78022

Ion Ratio Lower Upper

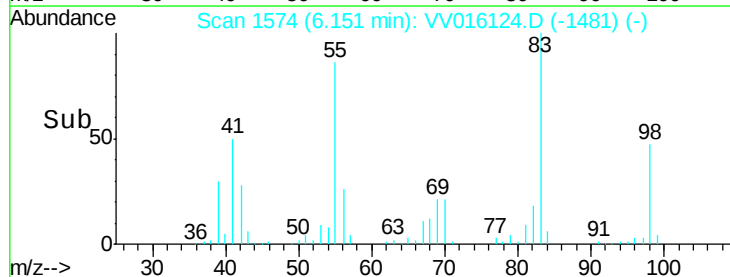
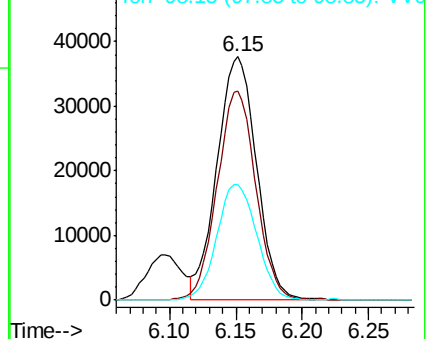
83 100

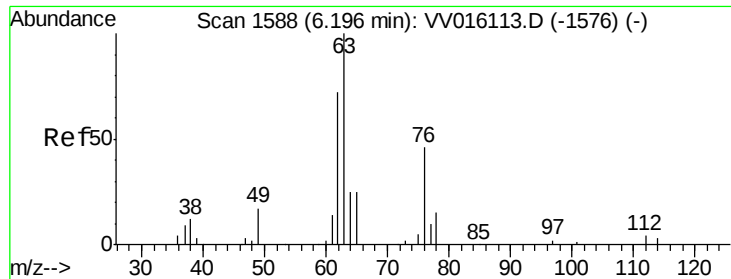
55 84.0 66.2 99.2

98 48.1 37.9 56.9



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

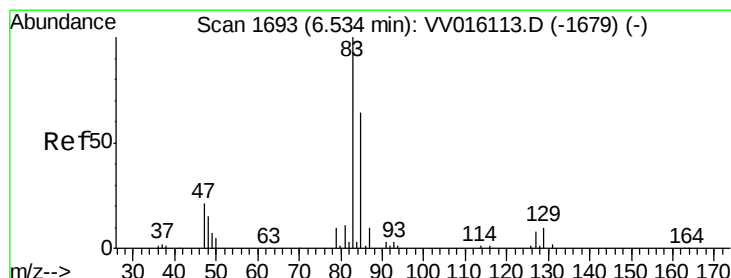
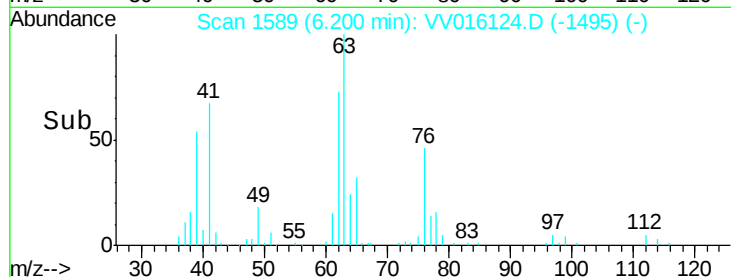
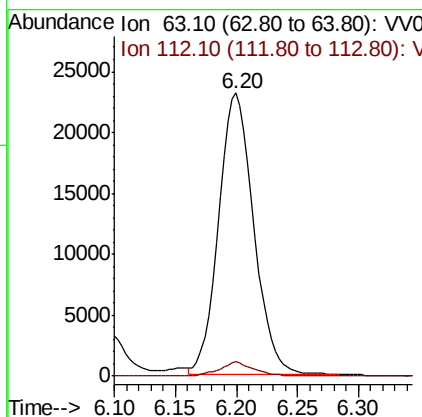
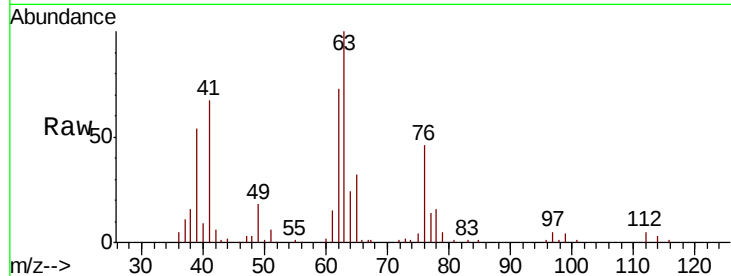




#37
 1,2-Dichloropropane
 Concen: 5.123 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV016124.D
 Acq: 20 May 2020 10:55

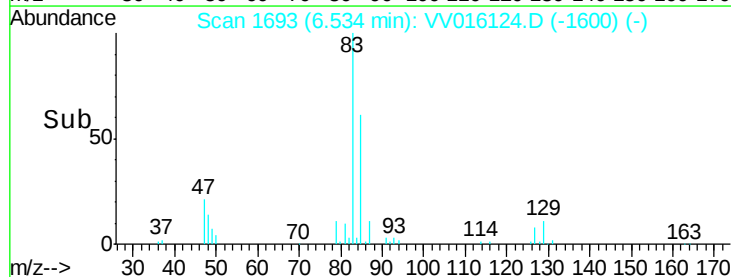
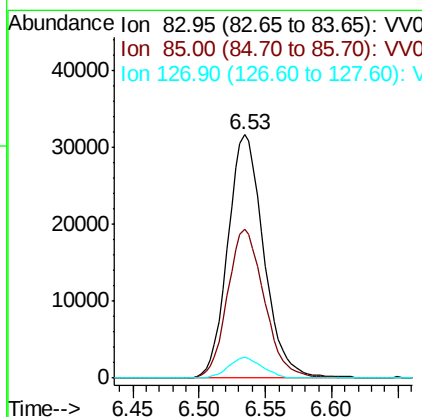
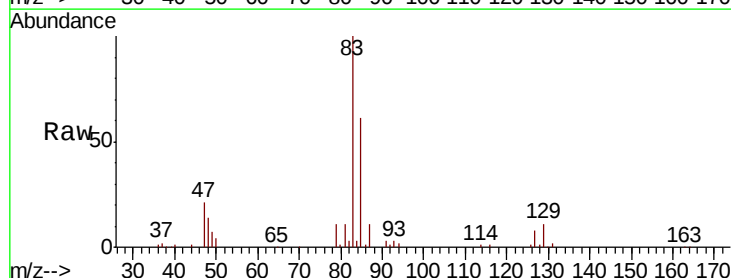
Instrument :
 MSVOA_V
 ClientSampled :

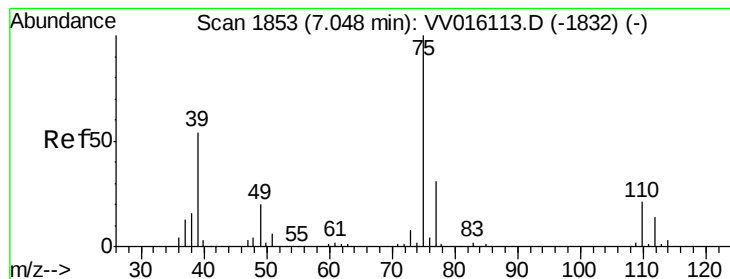
Tot Ion: 63 Resp: 46753
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.4 5.0



#38
 Bromodichloromethane
 Concen: 5.155 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. -0.00 min
 Lab File: VV016124.D
 Acq: 20 May 2020 10:55

Tgt Ion: 83 Resp: 59738
 Ion Ratio Lower Upper
 83 100
 85 61.0 45.5 84.5
 127 8.4 6.2 9.4



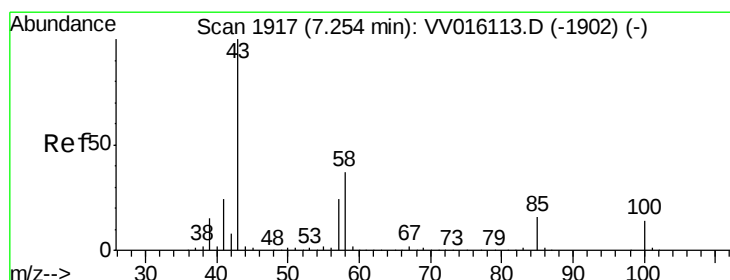
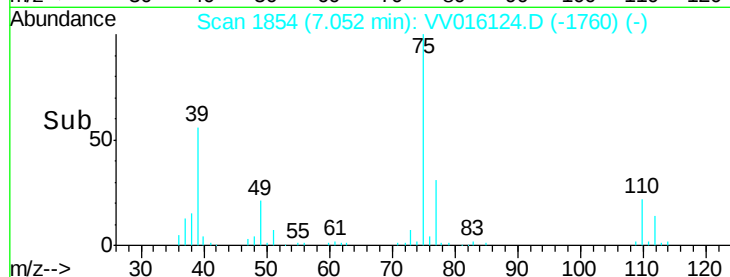
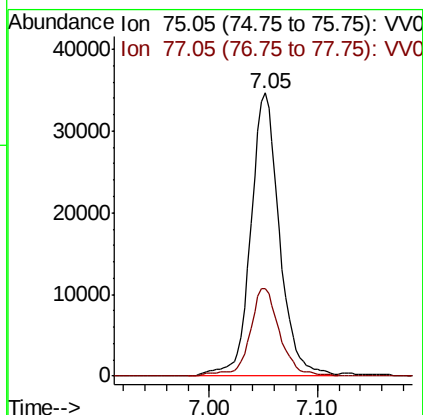
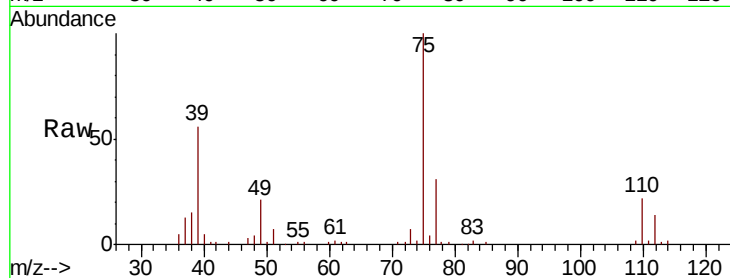


#39

cis-1,3-Dichloropropene
 Concen: 4.962 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV016124.D
 Acq: 20 May 2020 10:55

Instrument :
 MSVOA_V
 ClientSampleId :

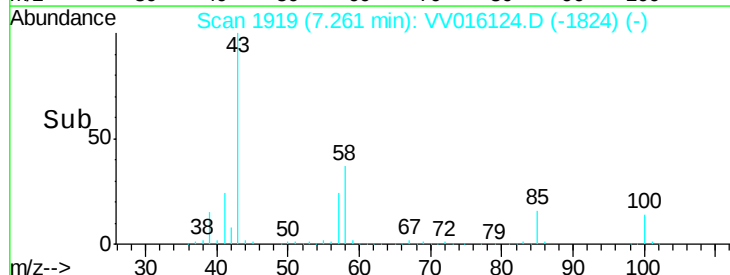
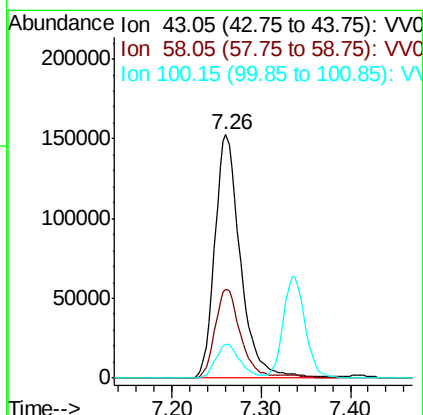
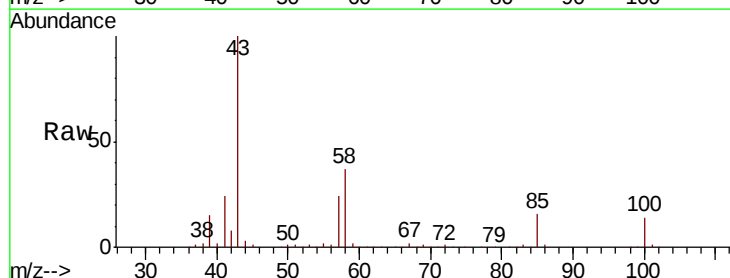
Tot Ion: 75 Resp: 64009
 Ion Ratio Lower Upper
 75 100
 77 31.0 21.3 39.5

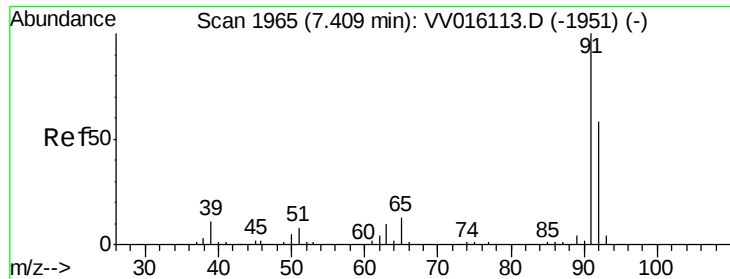


#40

4-Methyl-2-pentanone
 Concen: 53.362 ug/L
 RT: 7.26 min Scan# 1919
 Delta R.T. 0.01 min
 Lab File: VV016124.D
 Acq: 20 May 2020 10:55

Tgt Ion: 43 Resp: 303533
 Ion Ratio Lower Upper
 43 100
 58 36.4 29.0 43.4
 100 13.2 10.9 16.3





#42

Toluene

Concen: 5.416 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV016124.D

Acq: 20 May 2020 10:55

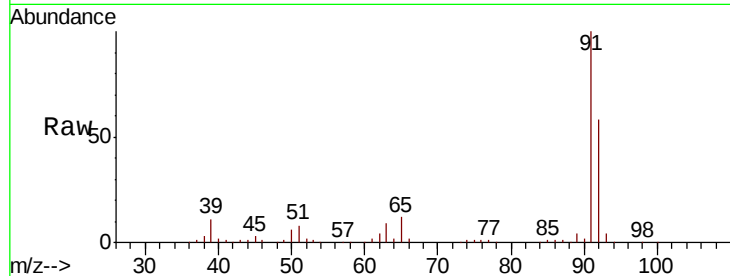
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 206206

Ion Ratio Lower Upper

91 100

92 58.2 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VV016113.D (-1951) (-)

Ion 92.15 (91.85 to 92.85): VV016113.D (-1951) (-)

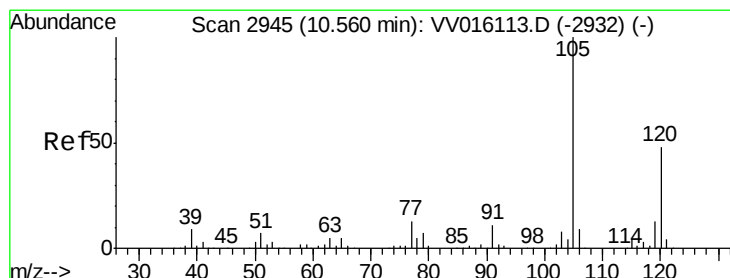
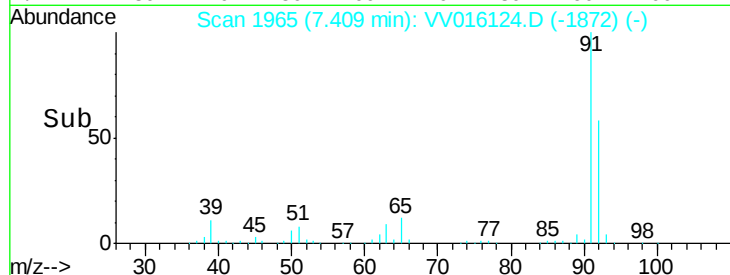
7.41

100000

50000

0

Time--> 7.30 7.35 7.40 7.45 7.50



#43

1,3,5-Trimethylbenzene

Concen: 5.352 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VV016124.D

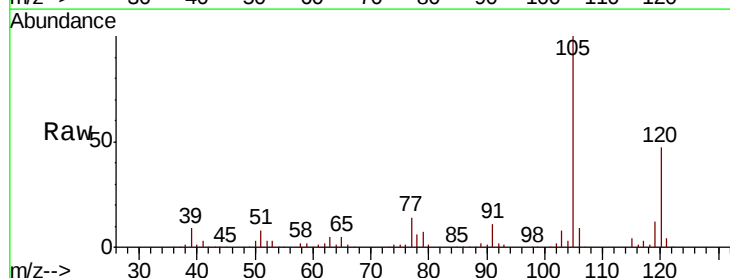
Acq: 20 May 2020 10:55

Tgt Ion:105 Resp: 187056

Ion Ratio Lower Upper

105 100

120 47.2 0.0 0.0#



Abundance Ion 105.00 (104.70 to 105.70): VV016113.D (-2932) (-)

Ion 120.00 (119.70 to 120.70): VV016113.D (-2932) (-)

10.56

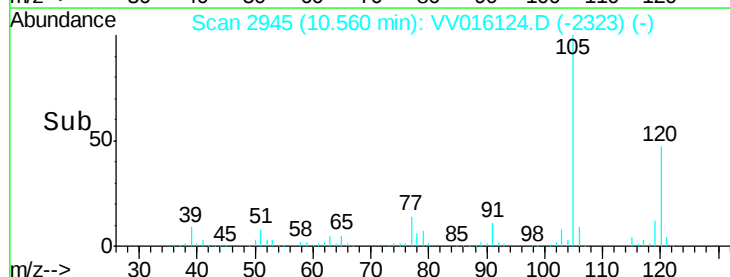
150000

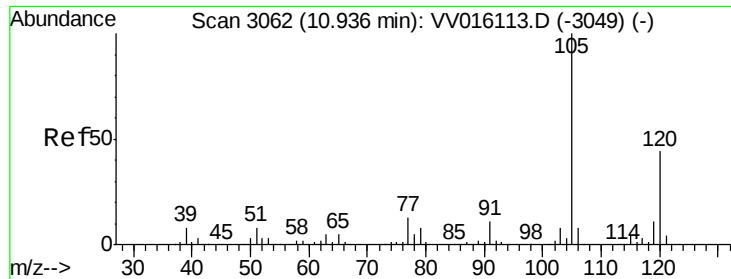
100000

50000

0

Time--> 10.50 10.55 10.60

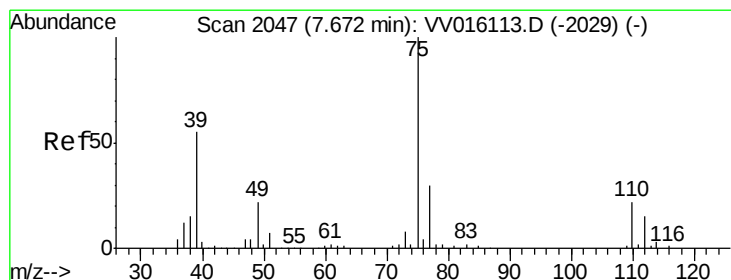
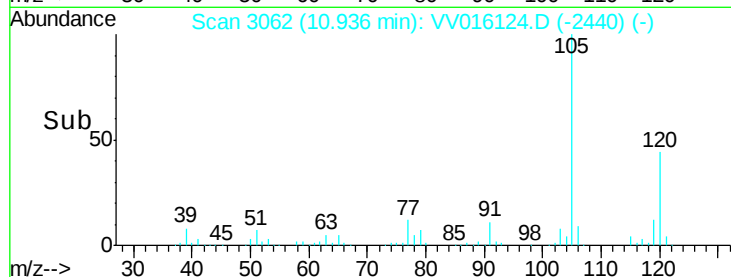
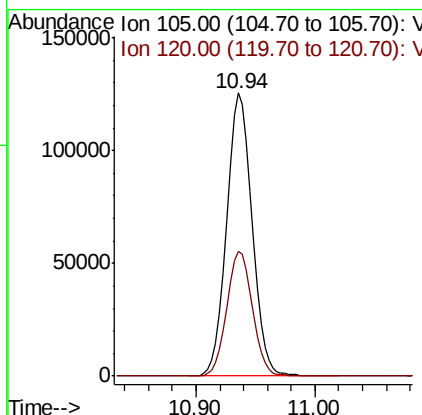
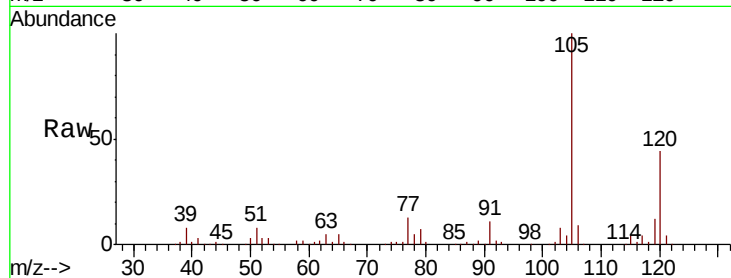




#44
 1,2,4-Trimethylbenzene
 Concen: 5.341 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV016124.D
 Acq: 20 May 2020 10:55

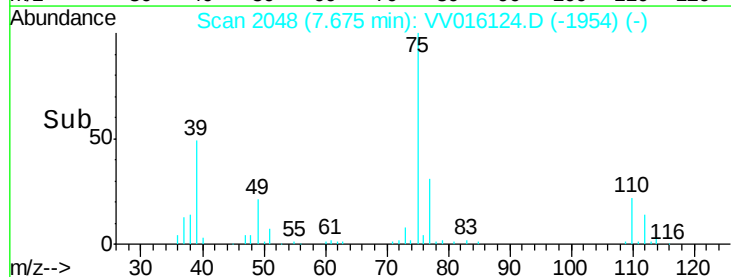
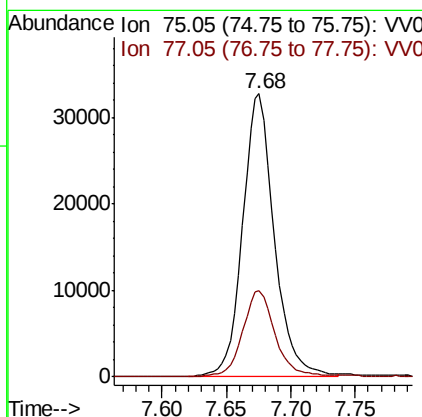
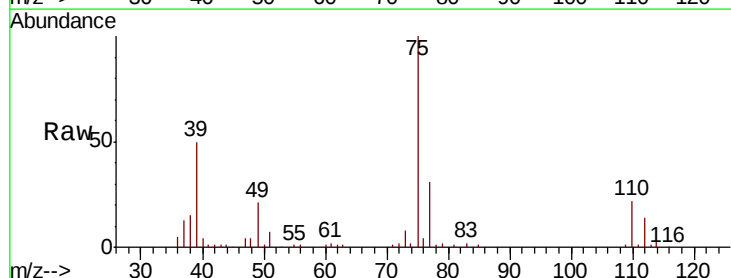
Instrument :
 MSVOA_V
 ClientSampleId :

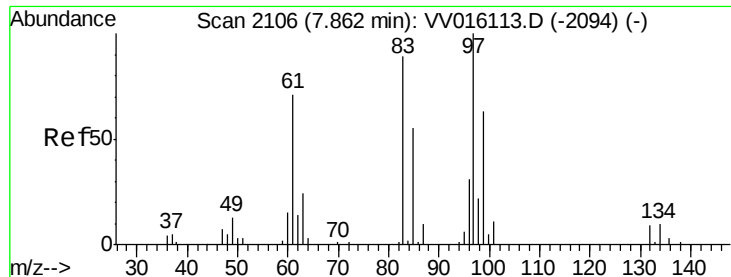
Tot Ion:105 Resp: 186543
 Ion Ratio Lower Upper
 105 100
 120 44.4 0.0 0.0#



#46
 trans-1,3-Dichloropropene
 Concen: 5.151 ug/L
 RT: 7.68 min Scan# 2048
 Delta R.T. 0.00 min
 Lab File: VV016124.D
 Acq: 20 May 2020 10:55

Tgt Ion: 75 Resp: 56127
 Ion Ratio Lower Upper
 75 100
 77 30.6 21.3 39.6

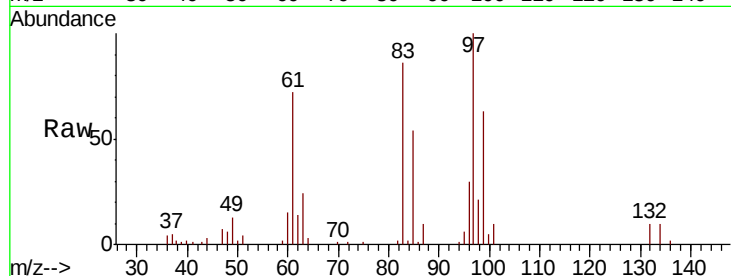




#47
 1,1,2-Trichloroethane
 Concen: 5.217 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. -0.00 min
 Lab File: VV016124.D
 Acq: 20 May 2020 10:55

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	31794
Ion	Ratio	Lower	Upper
97	100		
99	62.8	42.1	78.1
83	85.9	59.2	110.0
85	54.1	38.6	71.8

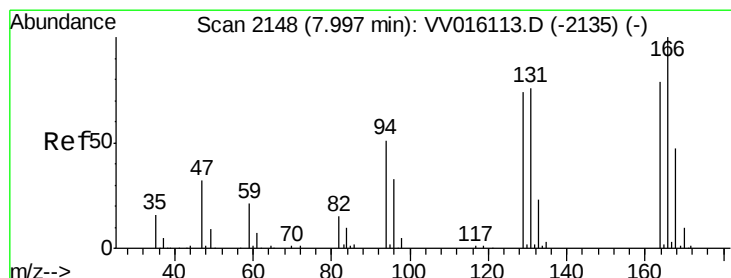
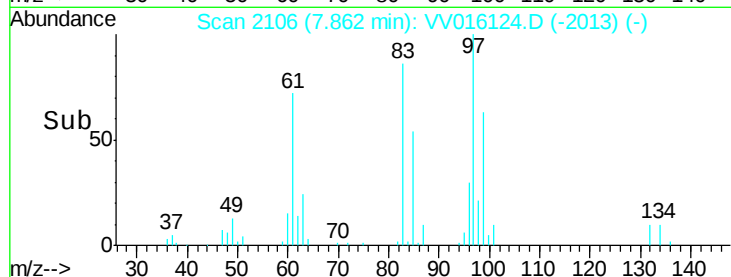
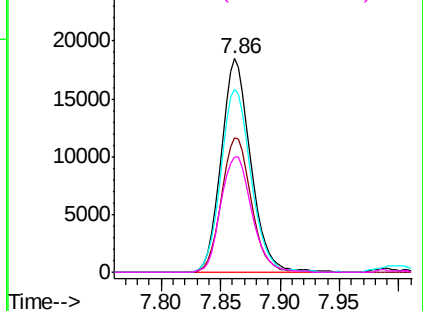


Abundance Ion 96.95 (96.65 to 97.65): VV016124.D (-2013) (-)

Ion 99.05 (98.75 to 99.75): VV016124.D (-2013) (-)

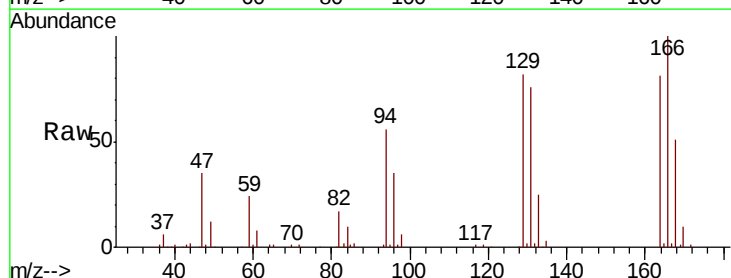
Ion 82.95 (82.65 to 83.65): VV016124.D (-2013) (-)

Ion 85.00 (84.70 to 85.70): VV016124.D (-2013) (-)



#49
 Tetrachloroethene
 Concen: 5.391 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV016124.D
 Acq: 20 May 2020 10:55

Tgt Ion:	164	Resp:	38569
Ion	Ratio	Lower	Upper
164	100		
129	101.4	69.7	129.4
131	93.3	66.8	124.2
166	123.1	89.1	165.5

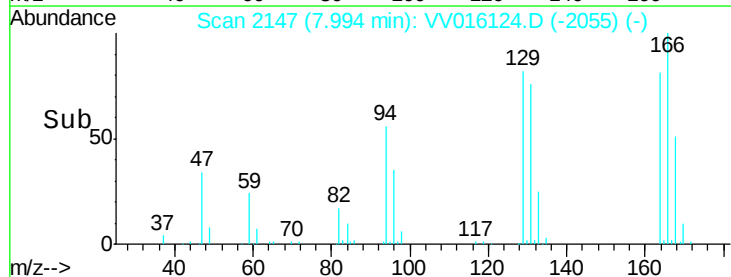
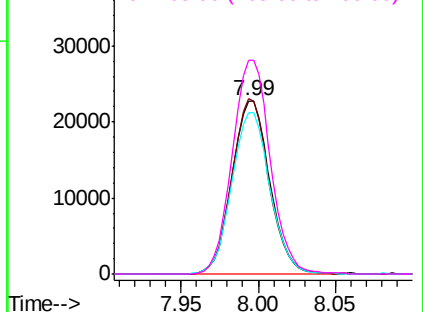


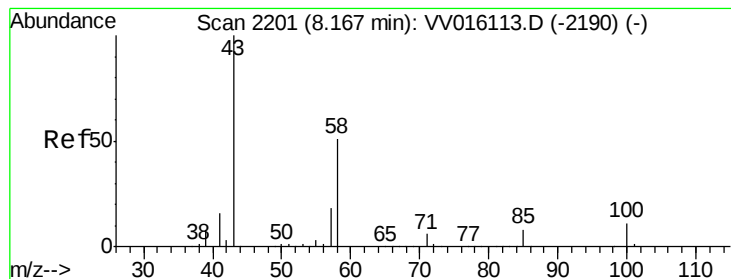
Abundance Ion 163.90 (163.60 to 164.60): VV016124.D (-2055) (-)

Ion 128.95 (128.65 to 129.65): VV016124.D (-2055) (-)

Ion 130.95 (130.65 to 131.65): VV016124.D (-2055) (-)

Ion 165.90 (165.60 to 166.60): VV016124.D (-2055) (-)





#50

2-Hexanone

Concen: 54.575 ug/L

RT: 8.17 min Scan# 2202

Delta R.T. 0.00 min

Lab File: VV016124.D

Acq: 20 May 2020 10:55

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 219532

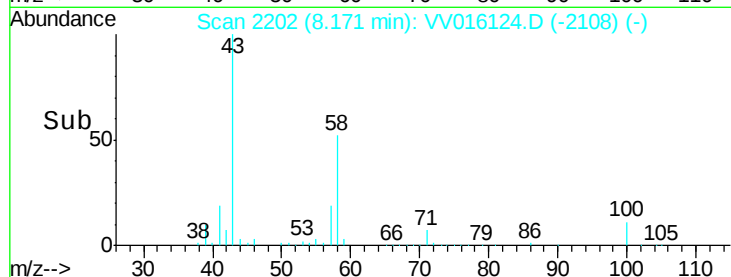
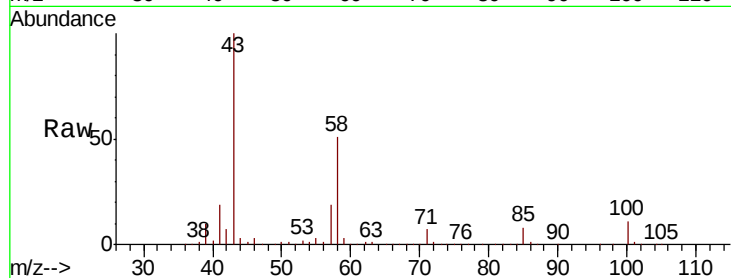
Ion Ratio Lower Upper

43 100

58 51.3 40.8 61.2

57 18.6 14.7 22.1

100 11.0 9.0 13.6



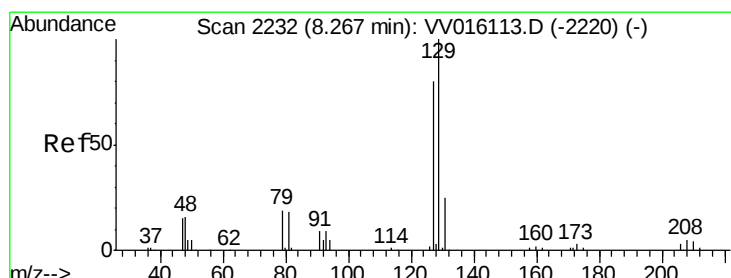
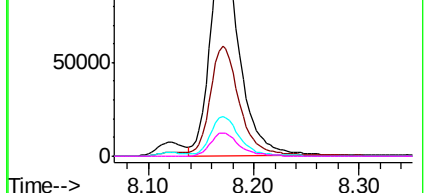
Abundance Ion 43.05 (42.75 to 43.75): VV016124.D (-2108) (-)

Ion 58.05 (57.75 to 58.75): VV016124.D (-2108) (-)

Ion 57.20 (56.90 to 57.90): VV016124.D (-2108) (-)

Ion 100.15 (99.85 to 100.85): VV016124.D (-2108) (-)

Time-->



#51

Dibromochloromethane

Concen: 5.234 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. -0.00 min

Lab File: VV016124.D

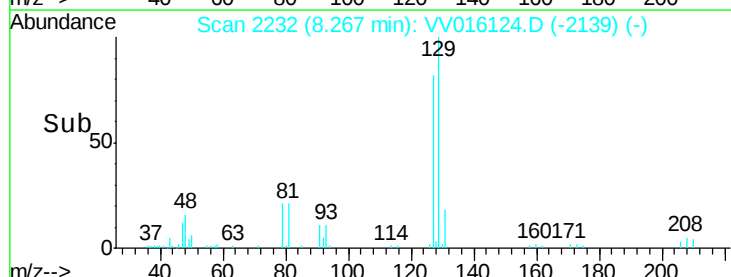
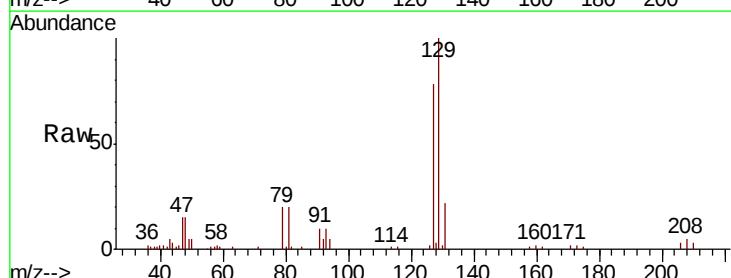
Acq: 20 May 2020 10:55

Tgt Ion: 129 Resp: 35844

Ion Ratio Lower Upper

129 100

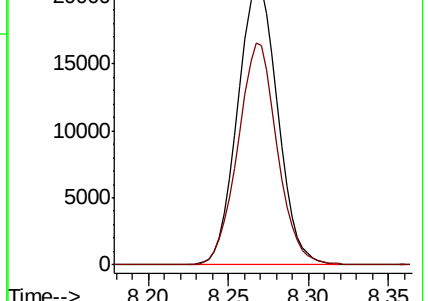
127 78.4 56.0 104.0

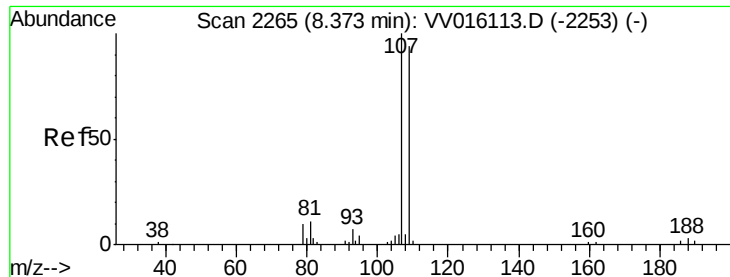


Abundance Ion 128.95 (128.65 to 129.65): VV016124.D (-2139) (-)

Ion 126.90 (126.60 to 127.60): VV016124.D (-2139) (-)

Time-->

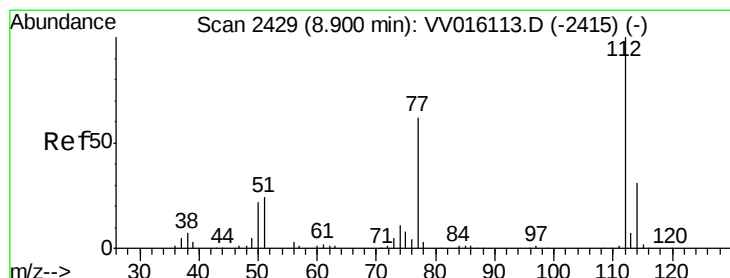
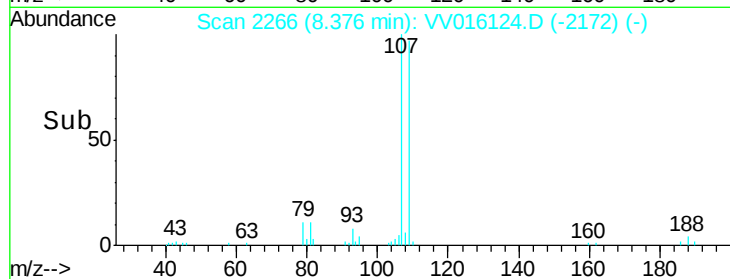
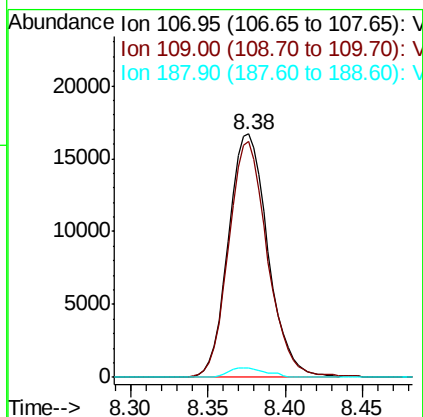
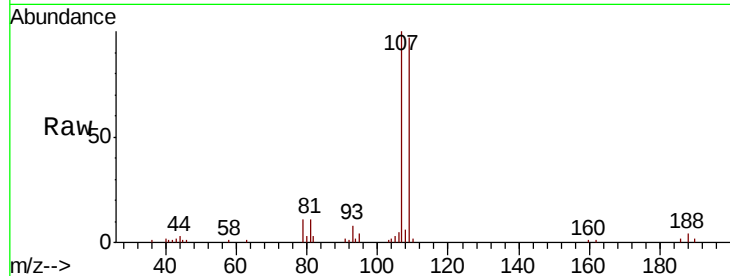




#52
1,2-Dibromoethane
Concen: 5.243 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.00 min
Lab File: VV016124.D
Acq: 20 May 2020 10:55

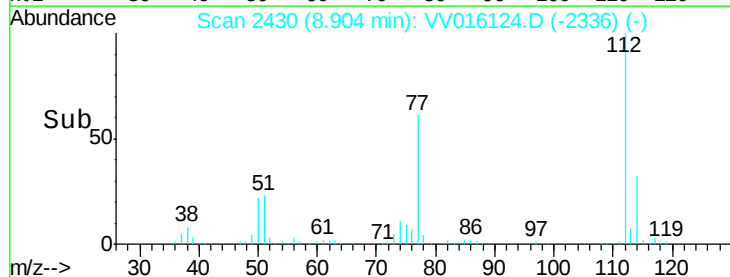
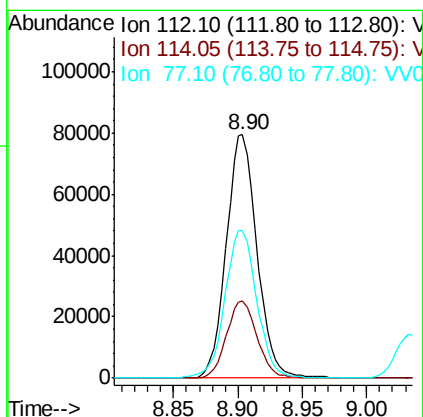
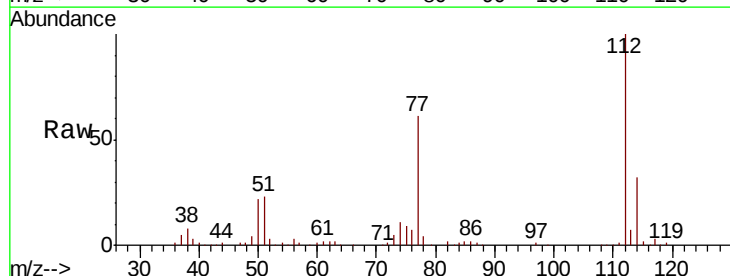
Instrument :
MSVOA_V
ClientSampleId :

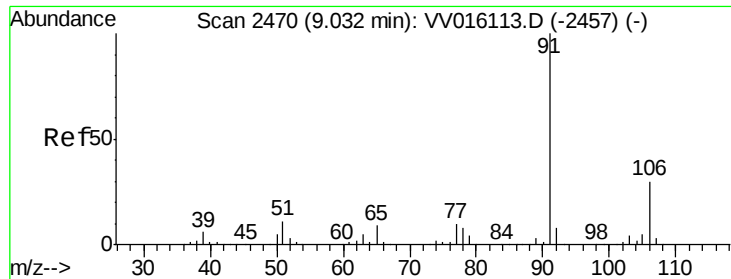
Tot Ion:107 Resp: 29634
Ion Ratio Lower Upper
107 100
109 96.7 68.9 127.9
188 3.9 2.7 4.1



#53
Chlorobenzene
Concen: 5.364 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV016124.D
Acq: 20 May 2020 10:55

Tgt Ion:112 Resp: 131347
Ion Ratio Lower Upper
112 100
114 31.5 21.6 40.0
77 60.8 48.6 73.0

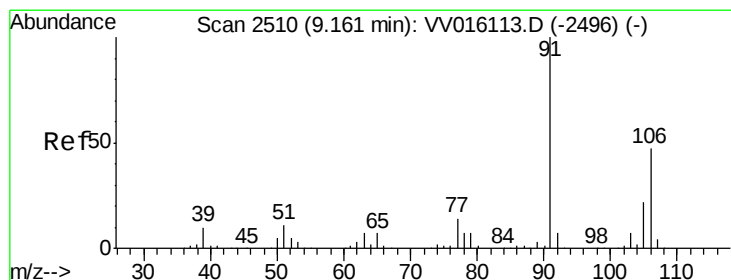
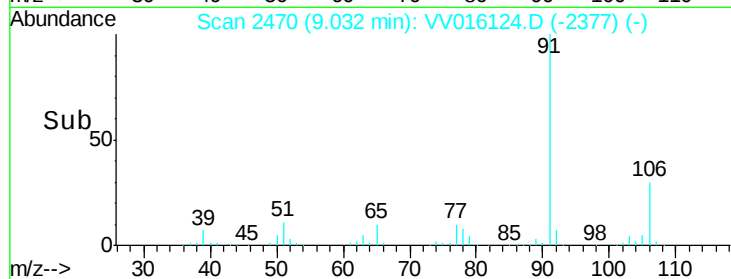
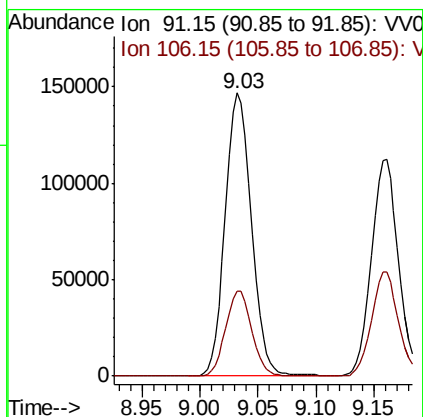
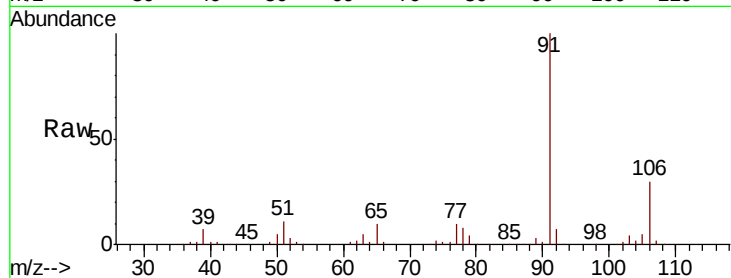




#54
Ethylbenzene
Concen: 5.311 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. -0.00 min
Lab File: VV016124.D
Acq: 20 May 2020 10:55

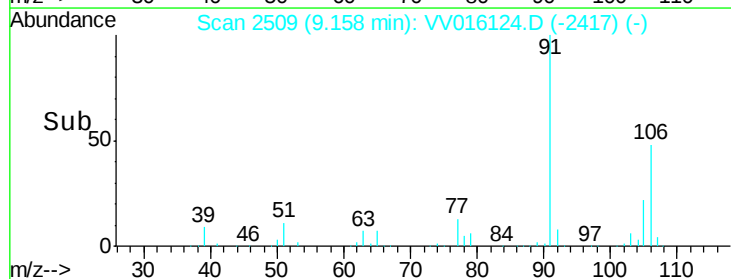
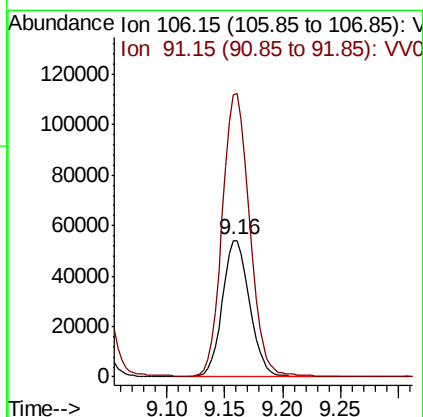
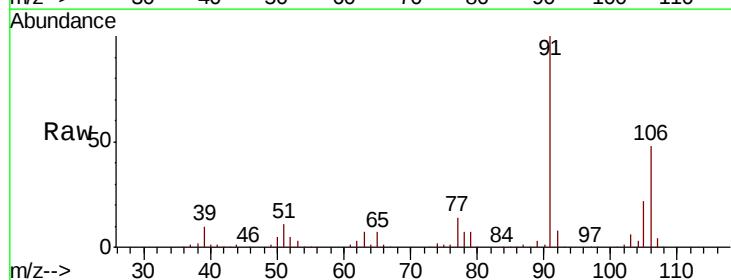
Instrument :
MSVOA_V
ClientSampleId :

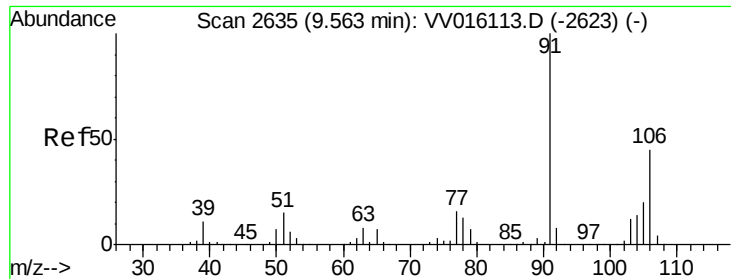
Tot Ion: 91 Resp: 229953
Ion Ratio Lower Upper
91 100
106 30.2 20.6 38.4



#55
m,p-xylene
Concen: 5.500 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VV016124.D
Acq: 20 May 2020 10:55

Tgt Ion: 106 Resp: 88170
Ion Ratio Lower Upper
106 100
91 206.6 149.9 278.3

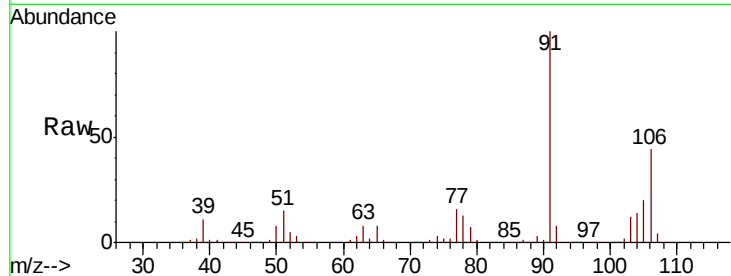




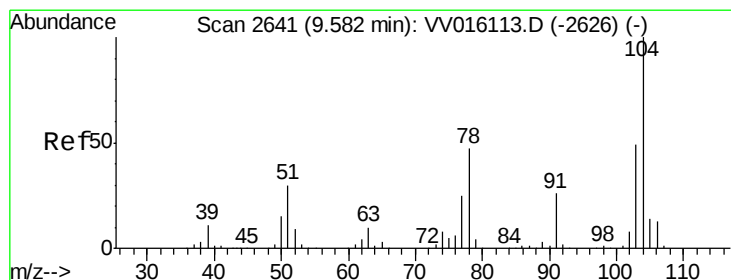
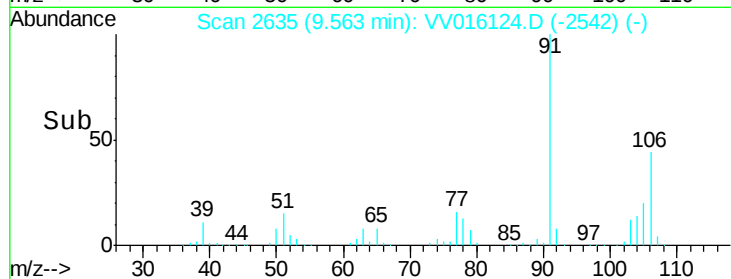
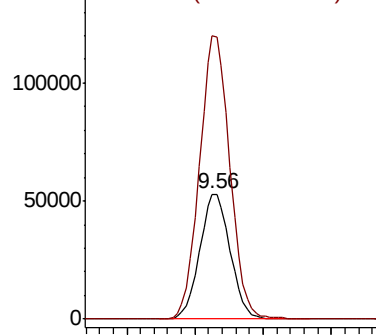
#56
o-xylene
Concen: 5.351 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV016124.D
Acq: 20 May 2020 10:55

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 82012
Ion Ratio Lower Upper
106 100
91 226.1 159.7 296.5

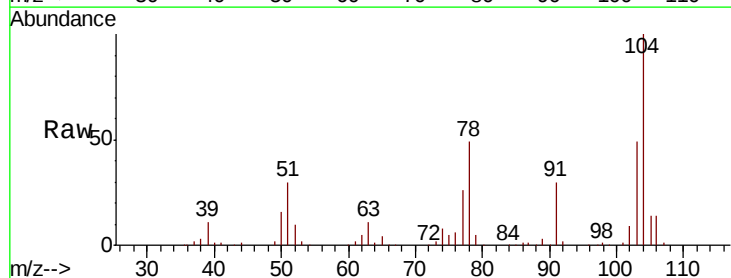


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

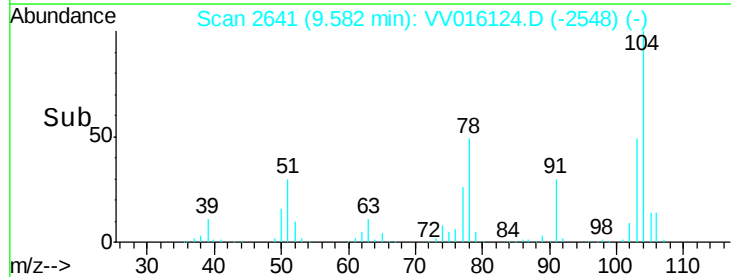
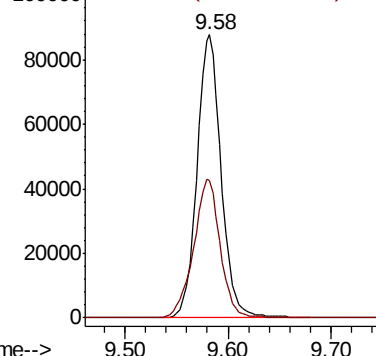


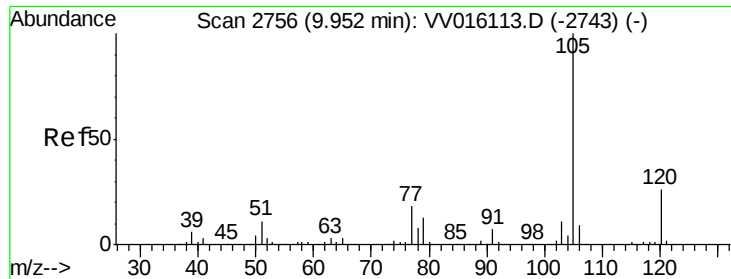
#57
Styrene
Concen: 5.550 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV016124.D
Acq: 20 May 2020 10:55

Tgt Ion:104 Resp: 142284
Ion Ratio Lower Upper
104 100
78 48.8 33.9 63.0



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





#58

Isopropylbenzene

Concen: 5.371 ug/L

RT: 9.95 min Scan# 2756

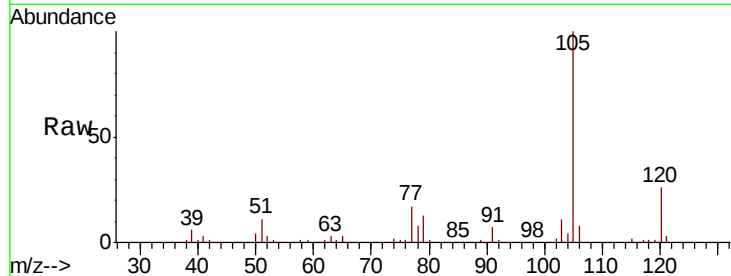
Delta R.T. -0.00 min

Lab File: VV016124.D

Acq: 20 May 2020 10:55

Instrument :
MSVOA_V
ClientSampleId :

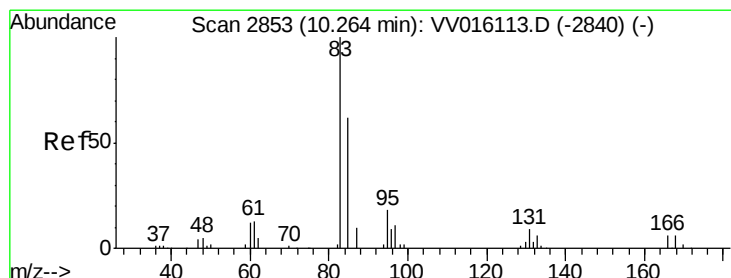
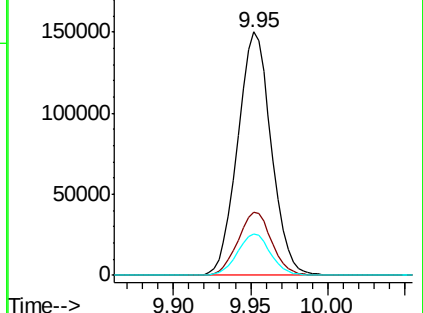
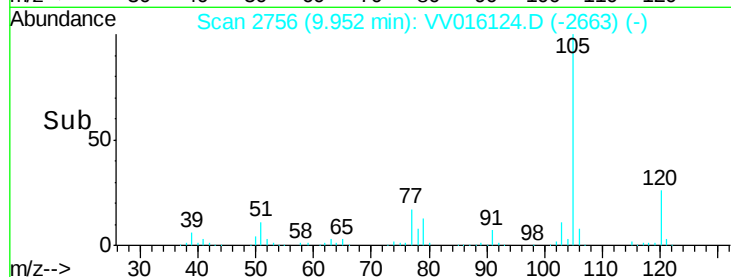
Tot Ion:	105	Resp:	226154
Ion	Ratio	Lower	Upper
105	100		
120	26.1	20.8	31.2
77	16.9	14.1	21.1



Abundance Ion 105.05 (104.75 to 105.75): VV016113.D (-2743) (-)

Ion 120.10 (119.80 to 120.80): VV016113.D (-2743) (-)

Ion 77.10 (76.80 to 77.80): VV016113.D (-2743) (-)



#60

1,1,2,2-Tetrachloroethane

Concen: 5.861 ug/L

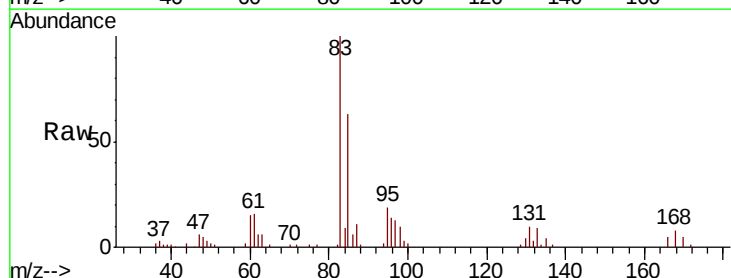
RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV016124.D

Acq: 20 May 2020 10:55

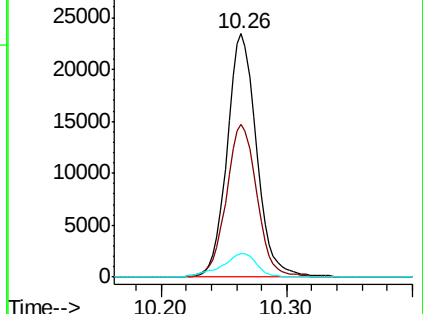
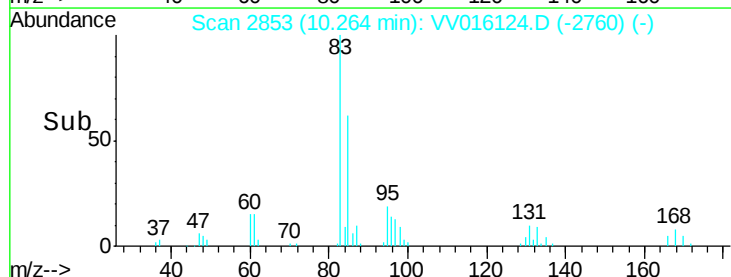
Tgt Ion:	83	Resp:	38172
Ion	Ratio	Lower	Upper
83	100		
85	62.8	44.0	81.6
131	9.5	7.7	11.5

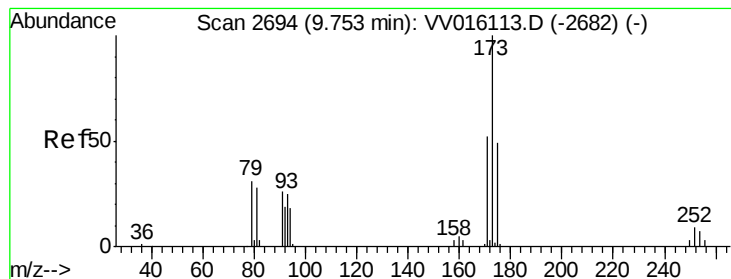


Abundance Ion 82.95 (82.65 to 83.65): VV016113.D (-2840) (-)

Ion 85.00 (84.70 to 85.70): VV016113.D (-2840) (-)

Ion 130.95 (130.65 to 131.65): VV016113.D (-2840) (-)





#62

Bromoform

Concen: 5.052 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV016124.D

Acq: 20 May 2020 10:55

Instrument :
MSVOA_V
ClientSampled :

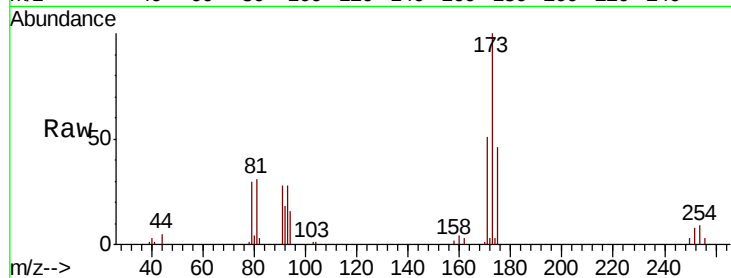
Tot Ion:173 Resp: 17085

Ion Ratio Lower Upper

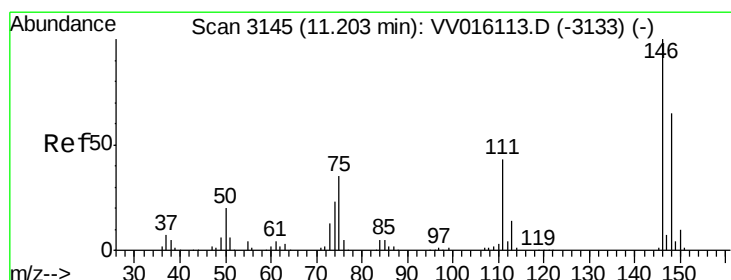
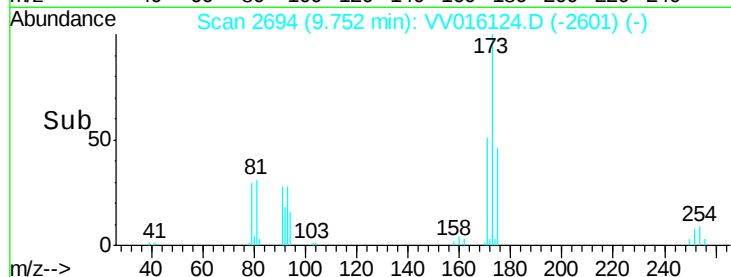
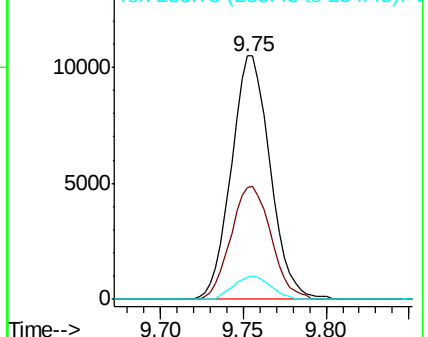
173 100

175 47.9 39.8 59.8

254 9.0 7.1 10.7



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: 5.351 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV016124.D

Acq: 20 May 2020 10:55

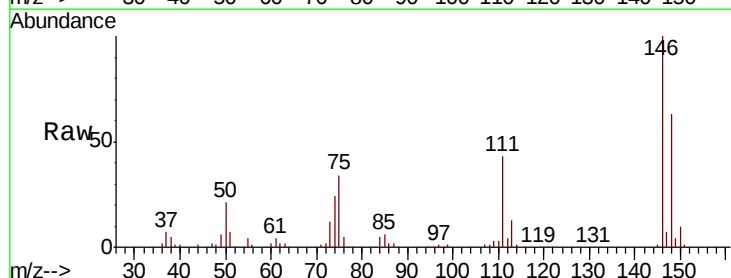
Tgt Ion:146 Resp: 106117

Ion Ratio Lower Upper

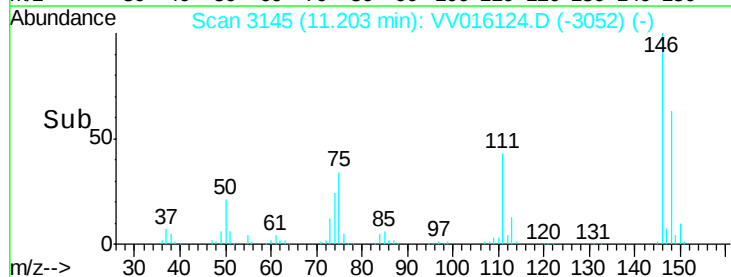
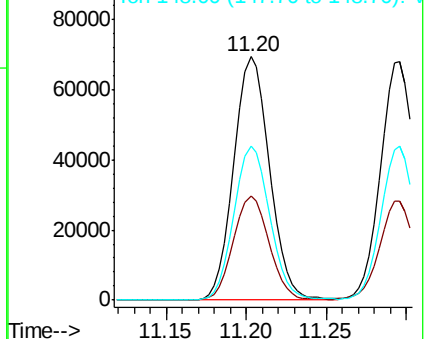
146 100

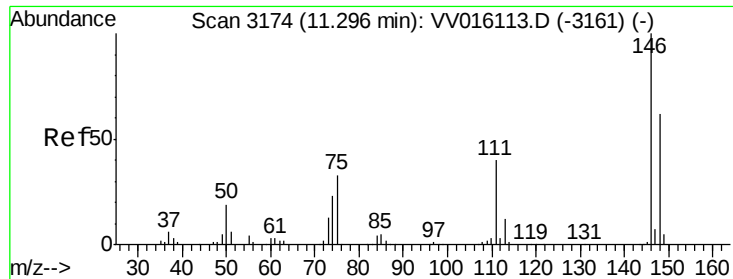
111 42.7 28.7 53.3

148 63.2 44.0 81.8



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: 5.309 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV016124.D

Acq: 20 May 2020 10:55

Instrument :

MSVOA_V

ClientSampled :

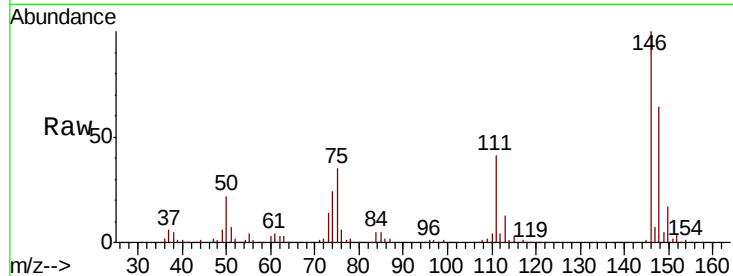
Tot Ion:146 Resp: 105783

Ion Ratio Lower Upper

146 100

111 41.4 28.9 53.7

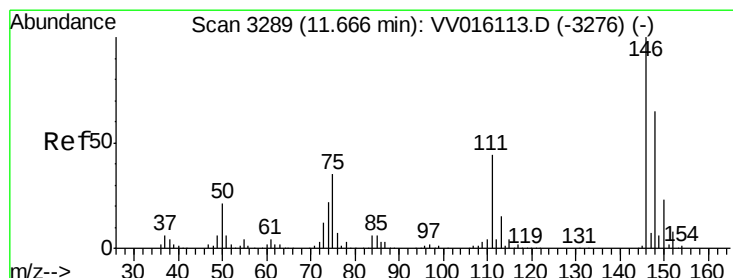
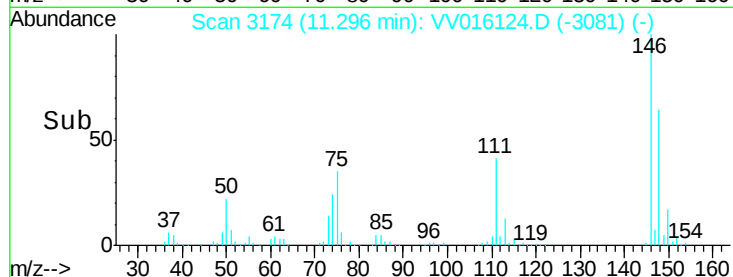
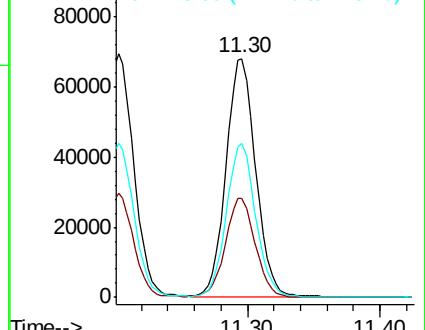
148 64.4 44.6 82.8



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: 5.326 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV016124.D

Acq: 20 May 2020 10:55

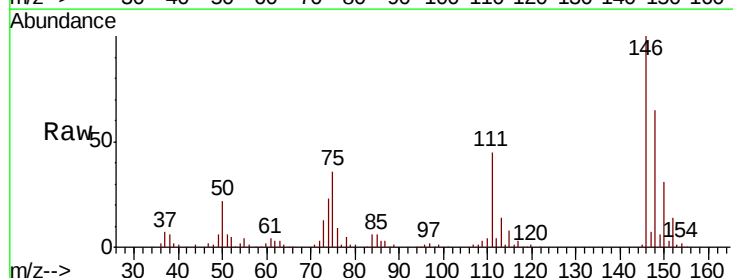
Tgt Ion:146 Resp: 95594

Ion Ratio Lower Upper

146 100

111 45.0 37.0 55.4

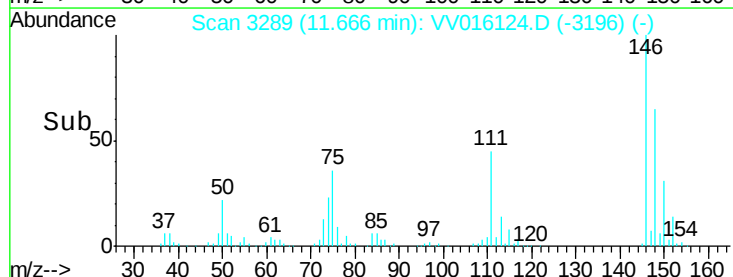
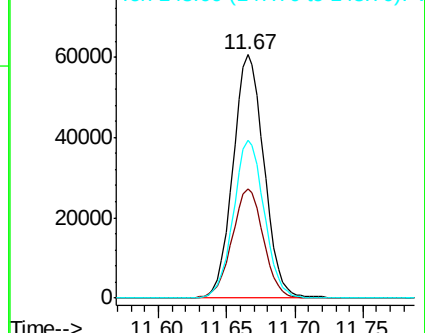
148 65.0 49.8 74.6

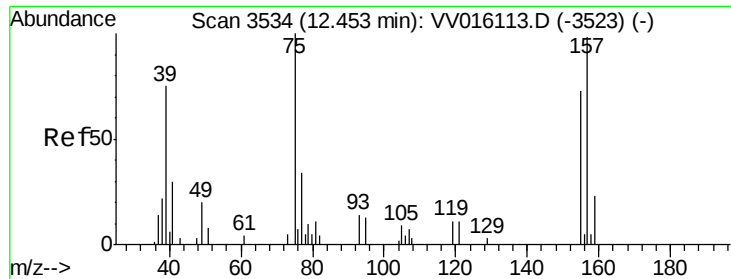


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

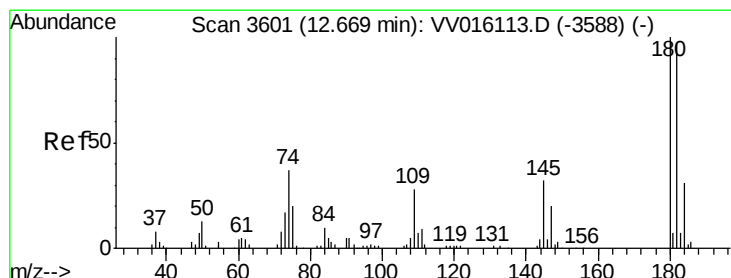
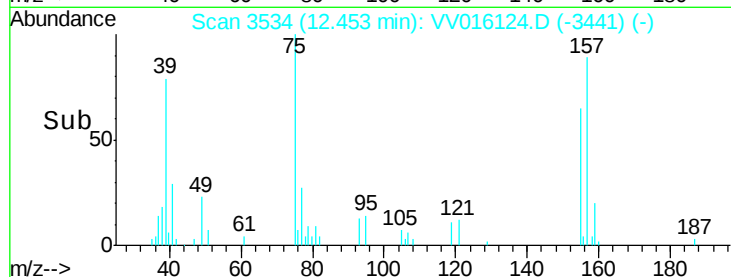
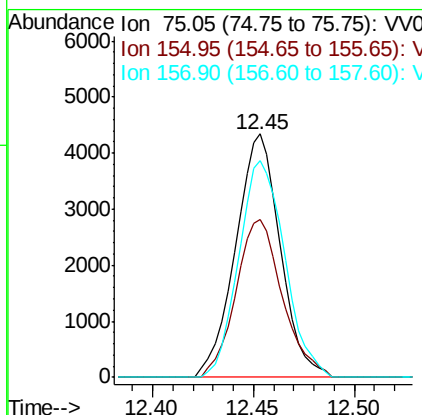
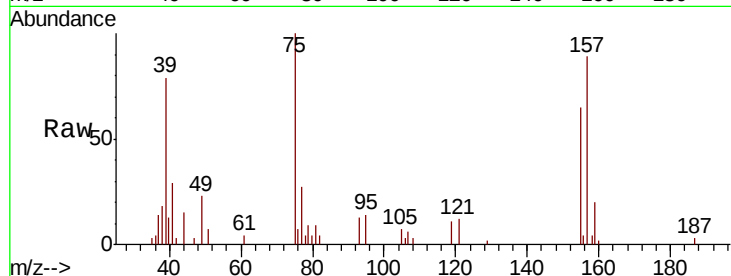




#67
 1,2-Dibromo-3-chloropropane
 Concen: 5.742 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. -0.00 min
 Lab File: VV016124.D
 Acq: 20 May 2020 10:55

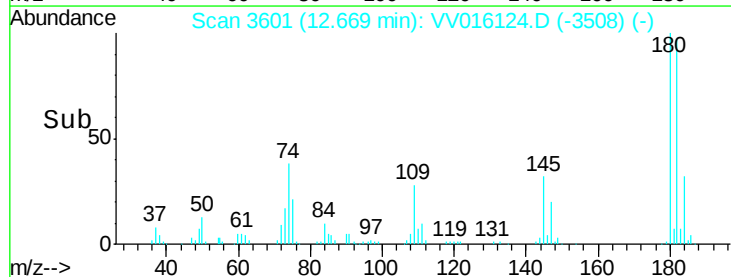
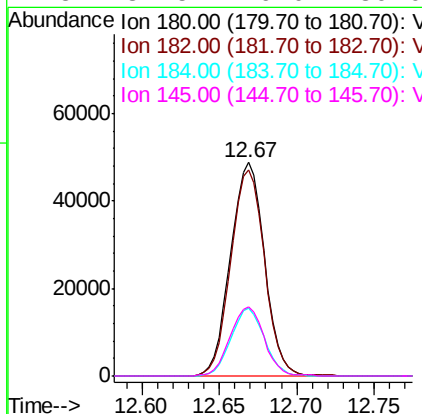
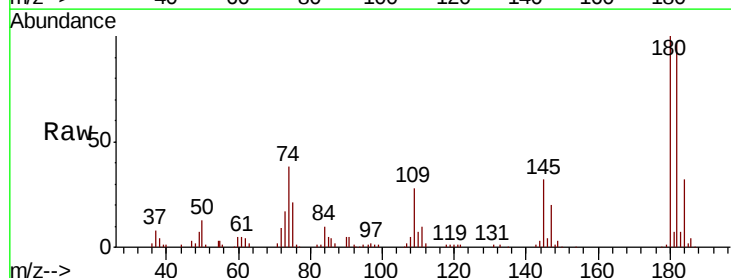
Instrument :
 MSVOA_V
 ClientSampleId :

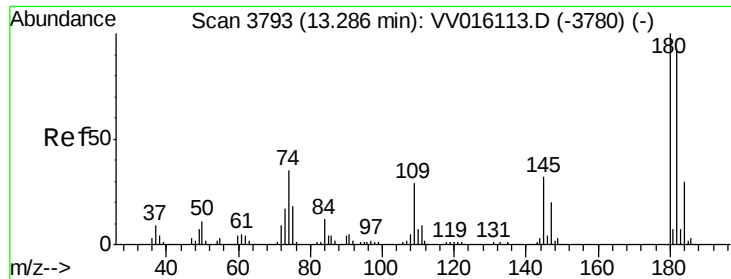
Tot Ion: 75 Resp: 6727
 Ion Ratio Lower Upper
 75 100
 155 64.6 58.2 87.4
 157 88.9 79.4 119.2



#68
 1,3,5-Trichlorobenzene
 Concen: 5.120 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV016124.D
 Acq: 20 May 2020 10:55

Tgt Ion: 180 Resp: 74244
 Ion Ratio Lower Upper
 180 100
 182 95.8 75.8 113.6
 184 31.3 24.6 36.8
 145 32.5 26.0 39.0

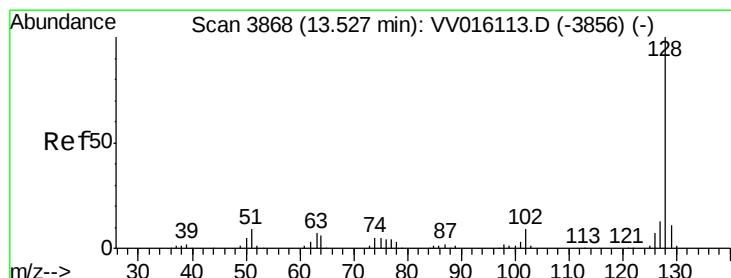
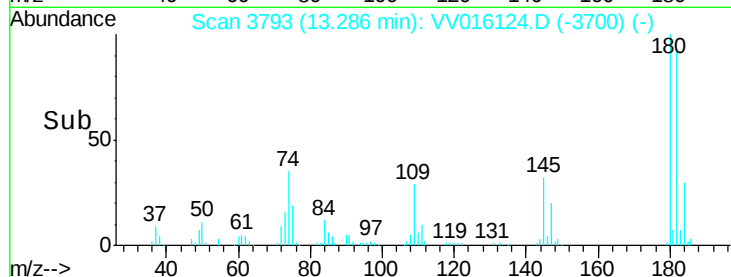
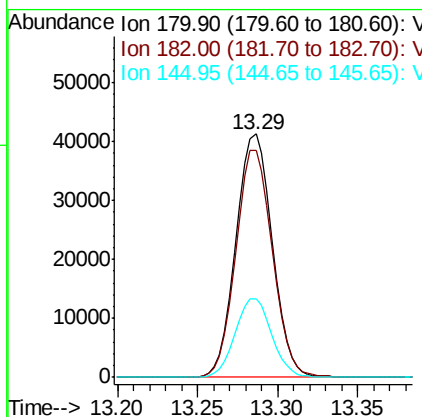
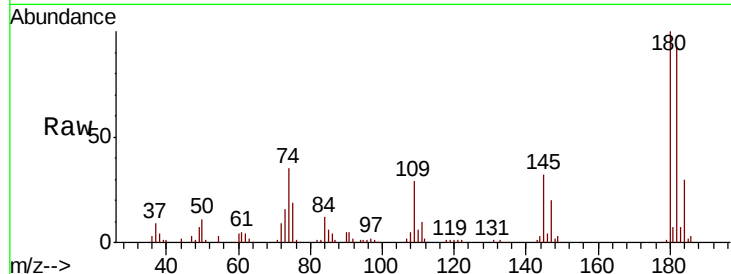




#69
 1,2,4-trichlorobenzene
 Concen: 5.128 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV016124.D
 Acq: 20 May 2020 10:55

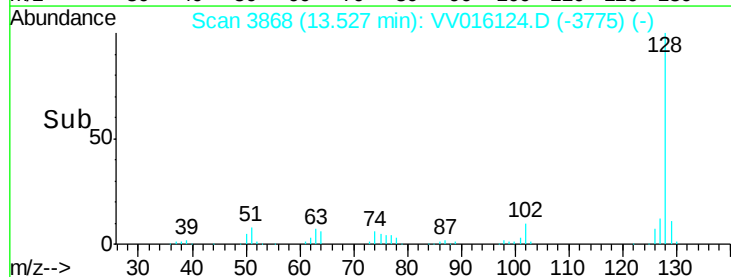
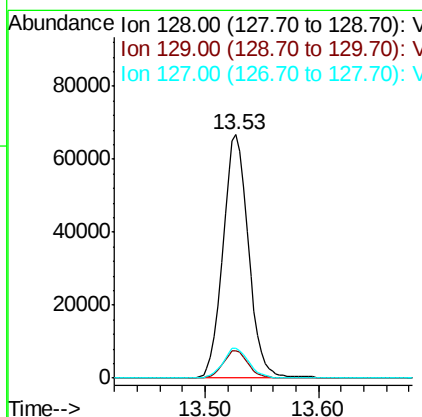
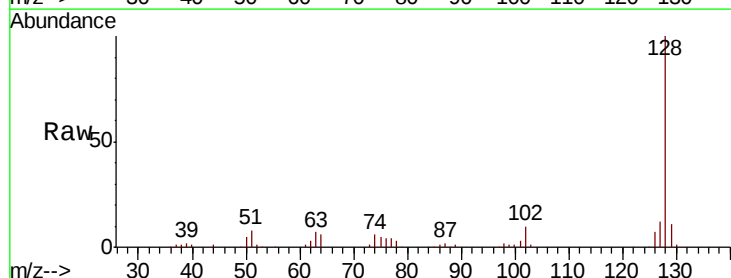
Instrument :
 MSVOA_V
 ClientSampled :

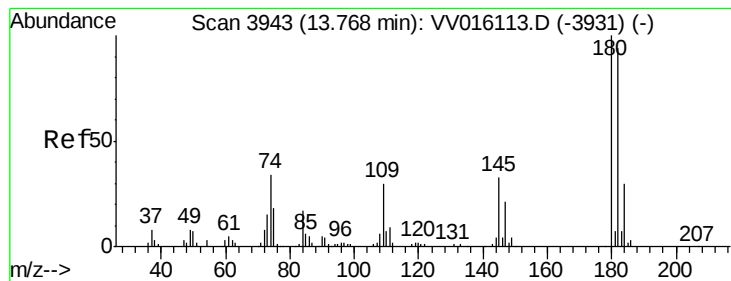
Tot Ion:180 Resp: 63894
 Ion Ratio Lower Upper
 180 100
 182 93.7 76.7 115.1
 145 32.3 26.4 39.6



#70
 Naphthalene
 Concen: 5.277 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. -0.00 min
 Lab File: VV016124.D
 Acq: 20 May 2020 10:55

Tgt Ion:128 Resp: 104556
 Ion Ratio Lower Upper
 128 100
 129 11.0 8.5 12.7
 127 12.3 10.2 15.2





#71

1,2,3-Trichlorobenzene

Concen: 5.303 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

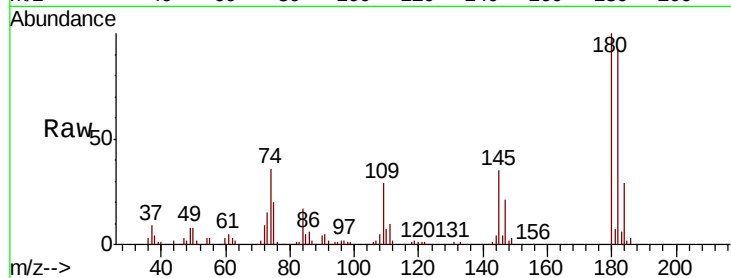
Lab File: VV016124.D

Acq: 20 May 2020 10:55

Instrument :

MSVOA_V

ClientSampleId :



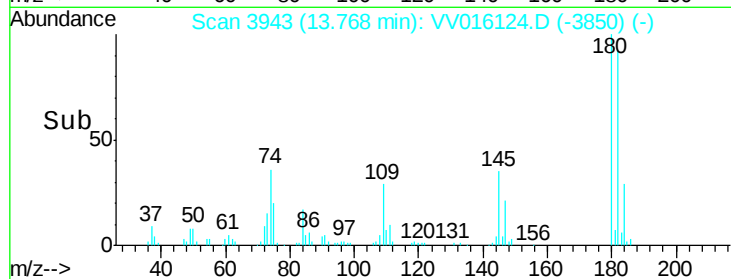
Tot Ion:180 Resp: 58289

Ion Ratio Lower Upper

180 100

182 91.1 77.0 115.6

145 34.2 28.3 42.5



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

