

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051820\
 Data File : VV016094.D
 Acq On : 18 May 2020 12:02
 Operator : SY/MD
 Sample : VSTD20065
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 19 03:15:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM051820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 19 03:10:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	351361	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	348805	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	181164	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	504321	165.27	ug/L	0.00
7) Chloroethane-d5	1.58	69	438522	166.85	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	932746	169.69	ug/L	0.00
21) 2-Butanone-d5	3.92	46	653650	392.26	ug/L	0.00
24) Chloroform-d	4.38	84	979464	191.03	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	658261	200.42	ug/L	0.00
32) Benzene-d6	5.08	84	1916512	179.01	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	608332	191.69	ug/L	0.00
41) Toluene-d8	7.34	98	1822487	178.92	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	323689	185.58	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	451450	325.09	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	764338	172.93	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	705960	173.54	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	495547	162.209	ug/L	99
3) Chloromethane	1.25	50	513727	175.343	ug/L	99
5) Vinyl chloride	1.32	62	509537	167.648	ug/L	99
6) Bromomethane	1.53	94	312229	157.978	ug/L	98
8) Chloroethane	1.60	64	325641	154.939	ug/L	99
9) Trichlorofluoromethane	1.77	101	664474	121.293	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	410404	160.798	ug/L	99
12) 1,1-Dichloroethene	2.14	96	380124	158.744	ug/L	95
13) Acetone	2.21	43	542691	476.816	ug/L	100
14) Carbon disulfide	2.31	76	1148783	171.053	ug/L	100
15) Methyl Acetate	2.45	43	468732	197.024	ug/L	99
16) Methylene chloride	2.53	84	484594	185.159	ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	432873	183.900	ug/L	99
18) Methyl tert-butyl Ether	2.79	73	1525908	195.223	ug/L	99
19) 1,1-Dichloroethane	3.22	63	876623	200.345	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	493783	183.509	ug/L	98
22) 2-Butanone	4.01	43	704381	436.965	ug/L	98
23) Bromochloromethane	4.28	128	248491	182.966	ug/L	98
25) Chloroform	4.41	83	905105	190.286	ug/L	99
27) 1,2-Dichloroethane	5.16	62	745602	206.359	ug/L	99
29) Cyclohexane	4.71	56	798667	193.096	ug/L	98
30) 1,1,1-Trichloroethane	4.64	97	814226	183.824	ug/L	99
31) Carbon tetrachloride	4.86	117	698474	184.955	ug/L	99
33) Benzene	5.13	78	1890865	185.420	ug/L	100
34) Trichloroethene	5.94	95	487992	181.539	ug/L	99
35) Methylcyclohexane	6.16	83	798387	182.082	ug/L	98
37) 1,2-Dichloropropane	6.20	63	510417	200.606	ug/L	100
38) Bromodichloromethane	6.53	83	694004	189.779	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	855595	203.232	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	1345865	381.436	ug/L	99

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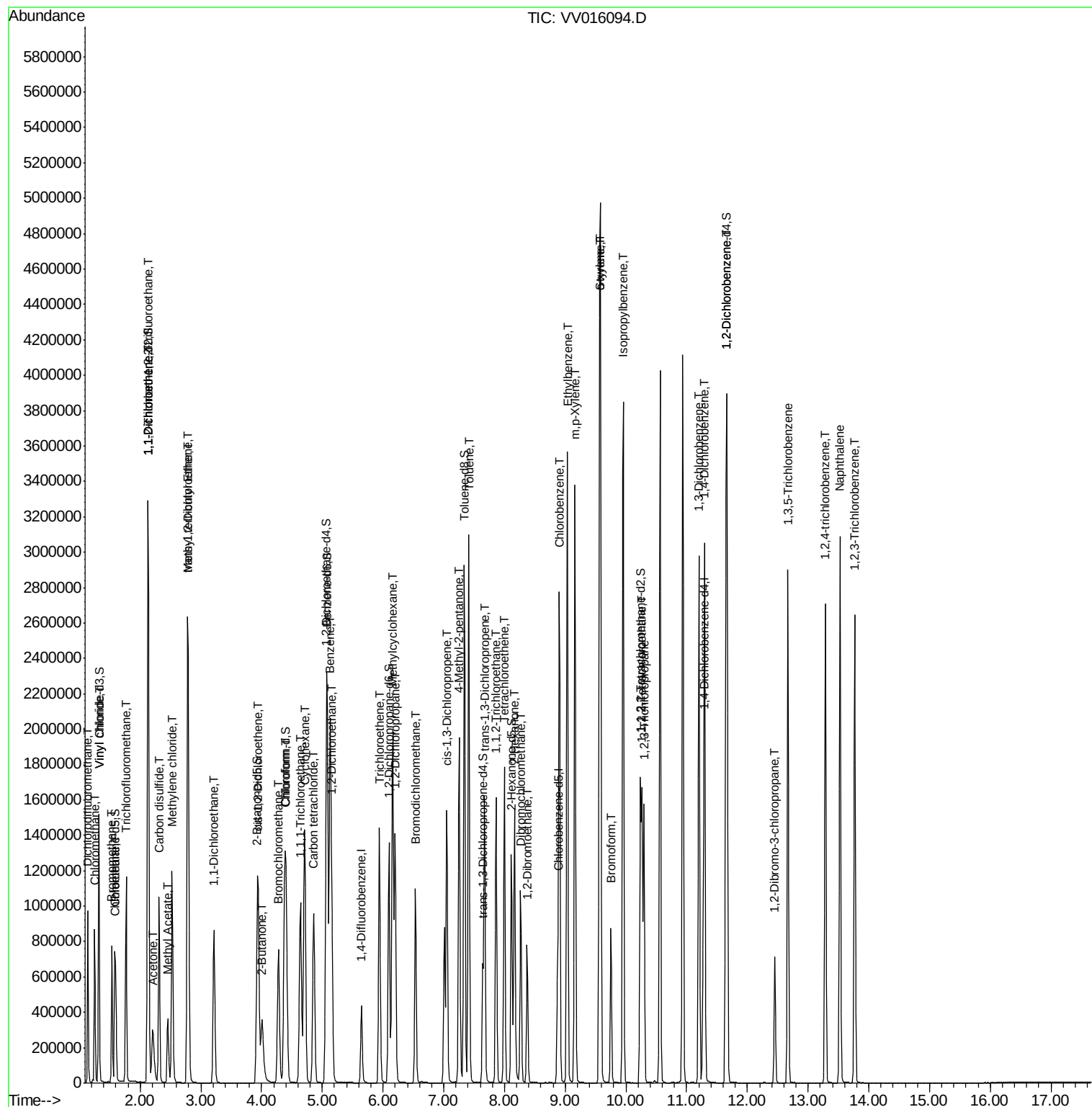
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	2073637	183.867	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	839571	203.511	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	463570	177.356	ug/L	99
46) Tetrachloroethene	8.00	164	369990	190.394	ug/L	98
48) 2-Hexanone	8.16	43	1054272	396.008	ug/L	99
49) Dibromochloromethane	8.27	129	534945	186.852	ug/L	100
50) 1,2-Dibromoethane	8.37	107	484973	175.203	ug/L	98
51) Chlorobenzene	8.90	112	1326980	180.059	ug/L	99
52) Ethylbenzene	9.04	91	2384774	188.402	ug/L	100
53) m,p-Xylene	9.16	106	893298	184.433	ug/L	97
54) o-xylene	9.57	106	881075	182.161	ug/L	98
55) Styrene	9.58	104	1545933	190.312	ug/L	98
56) Isopropylbenzene	9.95	105	2363998	187.458	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	743455	177.477	ug/L	100
59) 1,2,3-Trichloropropane	10.30	75	599630	178.827	ug/L	99
61) Bromoform	9.75	173	365184	186.158	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	1077995	180.804	ug/L	100
63) 1,4-Dichlorobenzene	11.30	146	1091624	179.717	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	1074161	177.217	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	173092	149.394	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	787498	197.762	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	744843	204.852	ug/L	100
69) Naphthalene	13.53	128	2252642	168.199	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	725171	193.456	ug/L	99

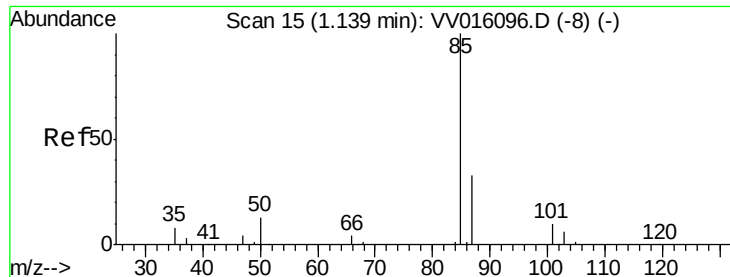
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 162.209 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV016094.D

Acq: 18 May 2020 12:02

Instrument :

MSVOA_V

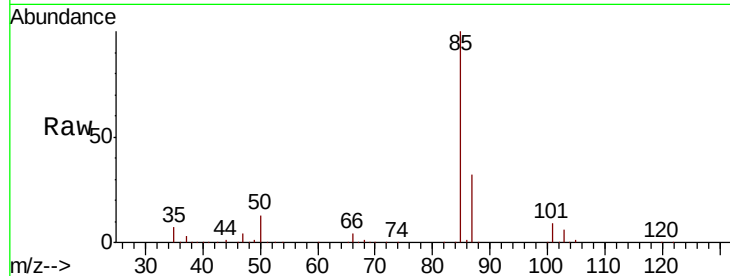
ClientSampled :

Tot Ion: 85 Resp: 495547

Ion Ratio Lower Upper

85 100

87 32.0 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV016094.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV016094.D (-8) (-)

1.14

500000

400000

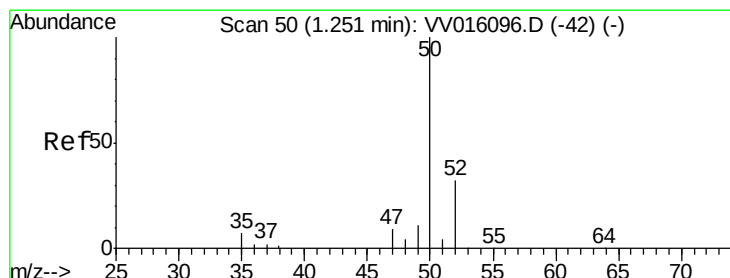
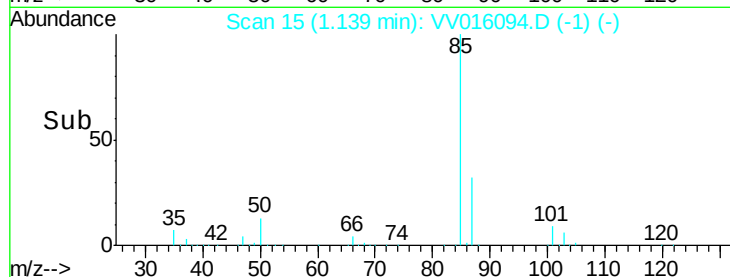
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 175.343 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV016094.D

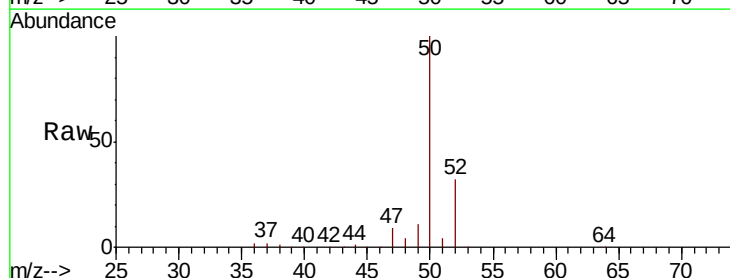
Acq: 18 May 2020 12:02

Tgt Ion: 50 Resp: 513727

Ion Ratio Lower Upper

50 100

52 32.4 22.2 41.2



Abundance Ion 50.00 (49.70 to 50.70): VV016094.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV016094.D (-42) (-)

1.25

600000

500000

400000

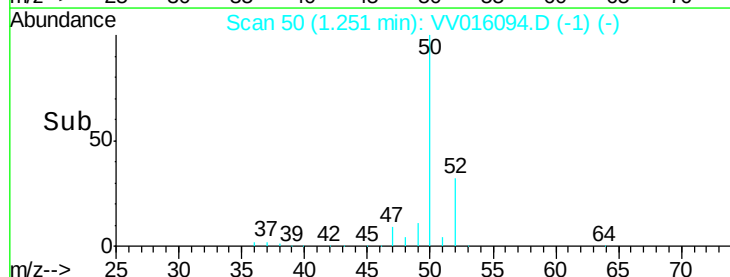
300000

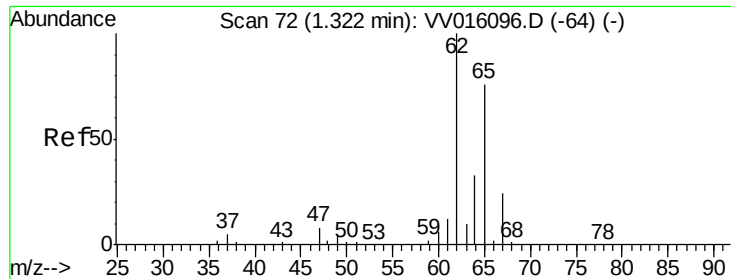
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 167.648 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV016094.D

Acq: 18 May 2020 12:02

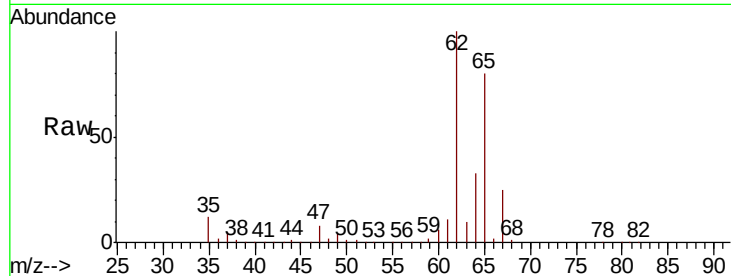
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 509537

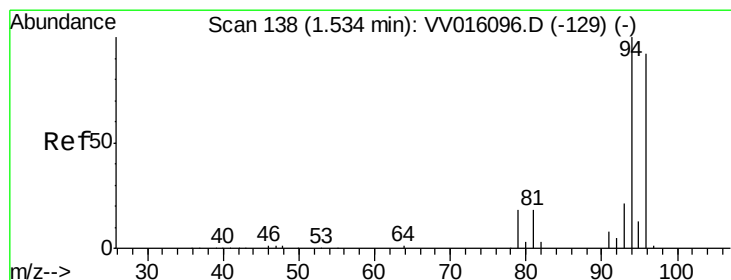
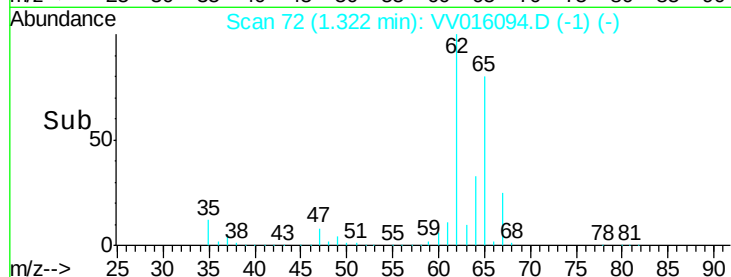
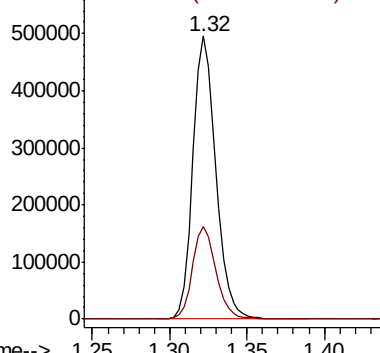
Ion Ratio Lower Upper

62 100

64 32.8 23.2 43.0



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 157.978 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV016094.D

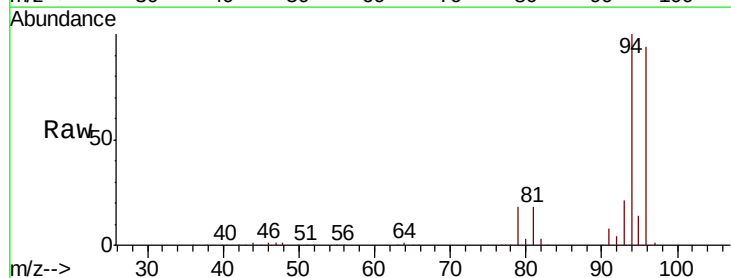
Acq: 18 May 2020 12:02

Tgt Ion: 94 Resp: 312229

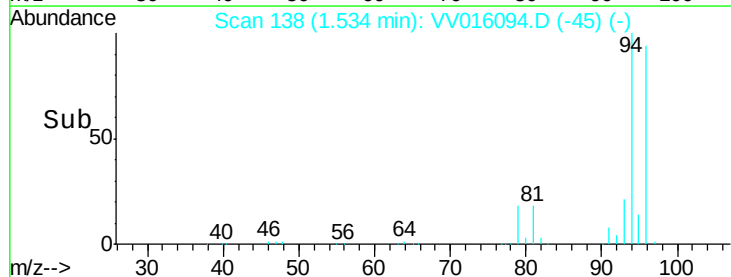
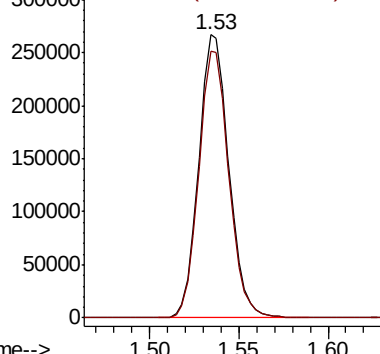
Ion Ratio Lower Upper

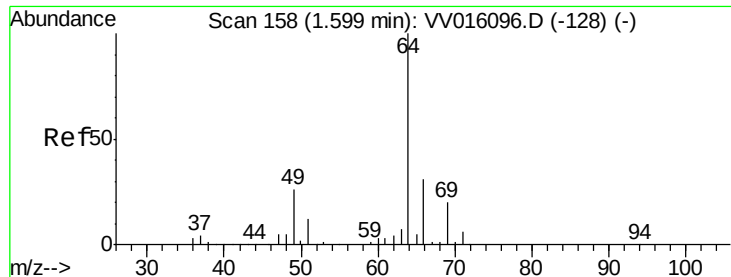
94 100

96 94.5 64.5 119.9



Abundance Ion 94.00 (93.70 to 94.70): VV0
Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 154.939 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV016094.D

Acq: 18 May 2020 12:02

Instrument :

MSVOA_V

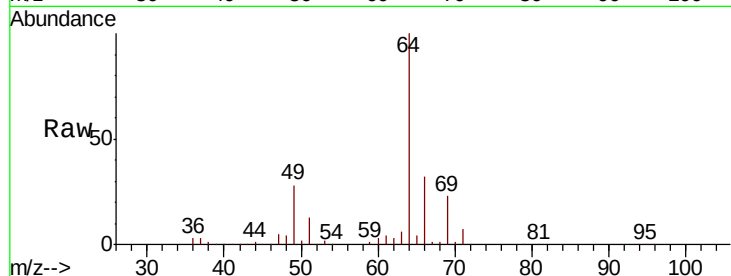
ClientSampleId :

Tot Ion: 64 Resp: 325641

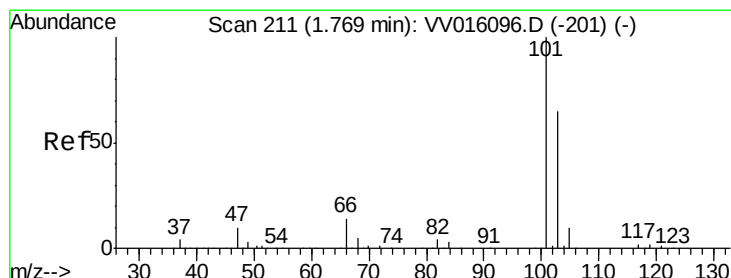
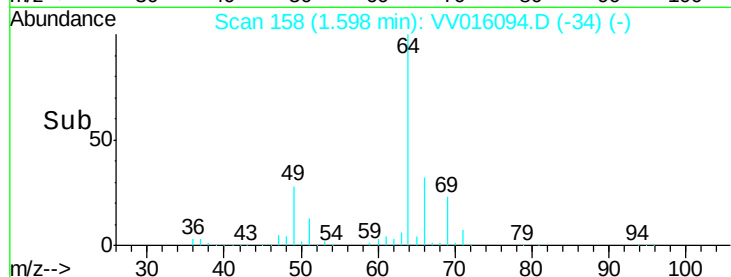
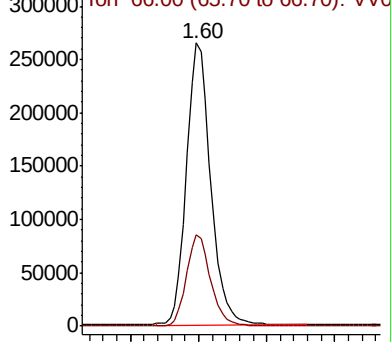
Ion Ratio Lower Upper

64 100

66 32.2 22.0 40.8



Abundance Ion 64.00 (63.70 to 64.70): VV016094.D (-128) (-)



#9

Trichlorofluoromethane

Concen: 121.293 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV016094.D

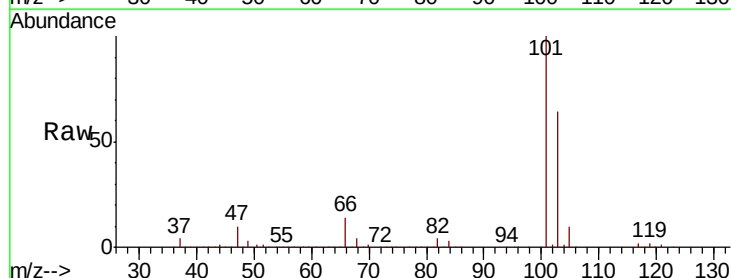
Acq: 18 May 2020 12:02

Tgt Ion: 101 Resp: 664474

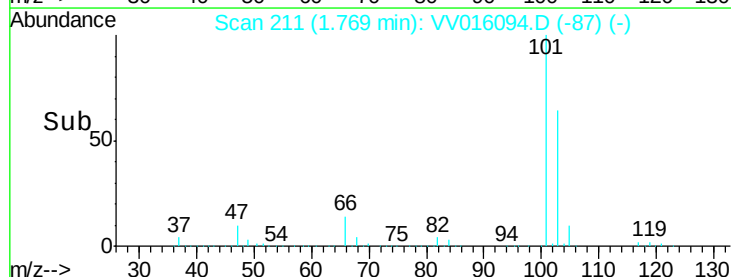
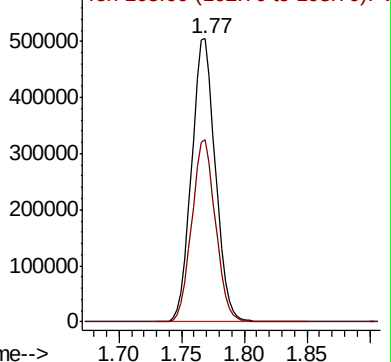
Ion Ratio Lower Upper

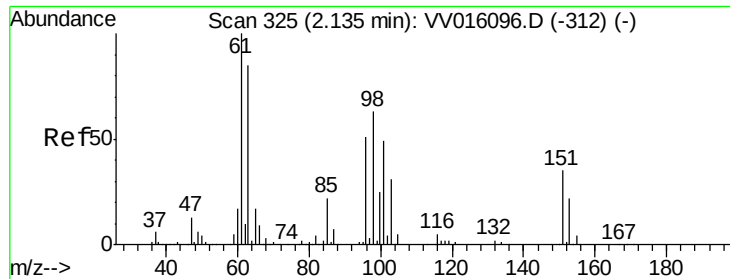
101 100

103 64.2 52.2 78.2



Abundance Ion 101.00 (100.70 to 101.70): VV016094.D (-201) (-)





#10

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

Concen: 160.798 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV016094.D

Acq: 18 May 2020 12:02

Instrument :

MSVOA_V

ClientSampleId :

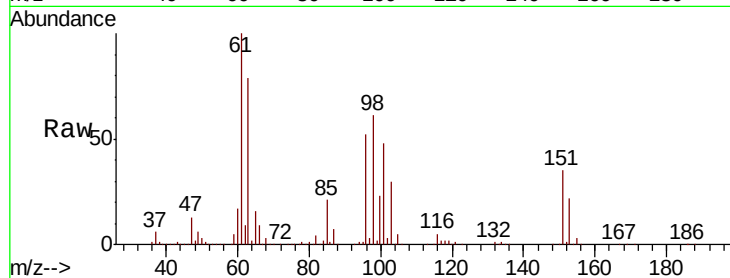
Tot Ion:101 Resp: 410404

Ion Ratio Lower Upper

101 100

85 44.2 36.2 54.4

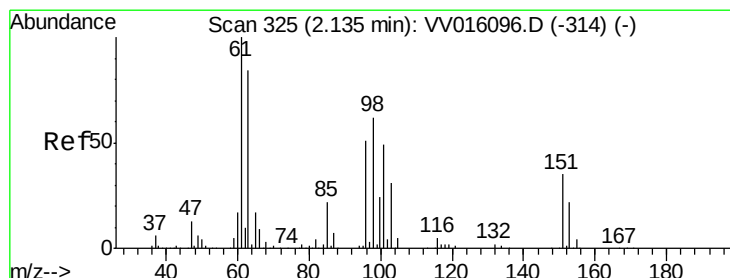
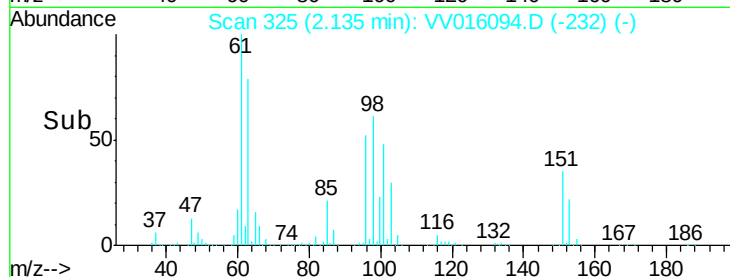
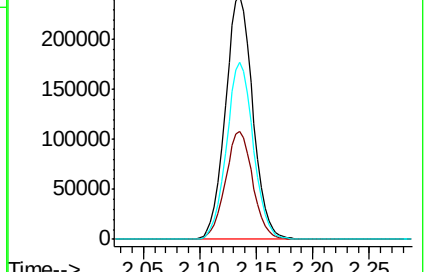
151 71.3 56.9 85.3



Abundance Ion 101.00 (100.70 to 101.70): VV016096.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV016096.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV016096.D (-312) (-)



#12

1,1-Dichloroethene

Concen: 158.744 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV016094.D

Acq: 18 May 2020 12:02

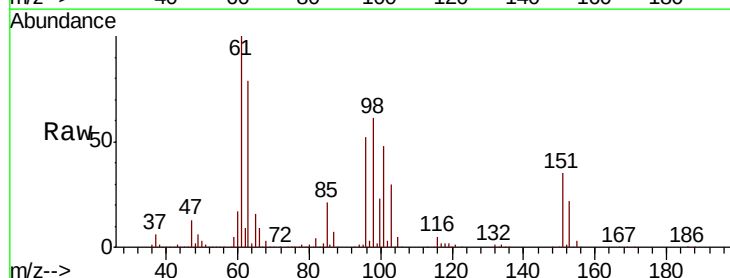
Tgt Ion: 96 Resp: 380124

Ion Ratio Lower Upper

96 100

61 193.0 136.8 254.2

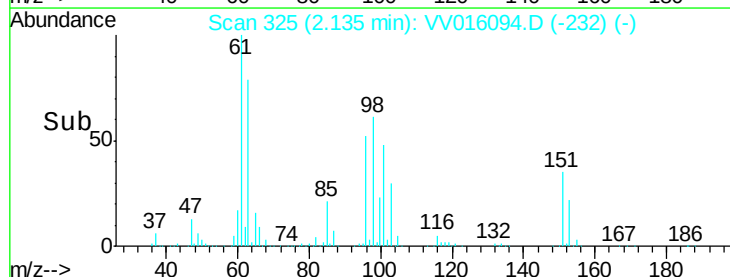
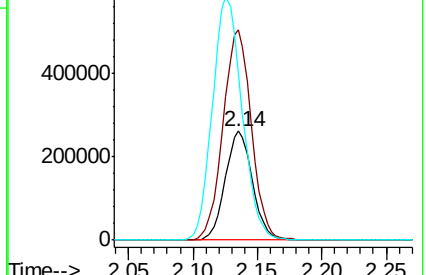
63 153.4 116.6 216.5

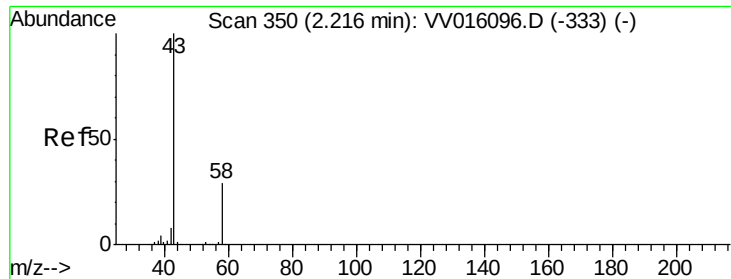


Abundance Ion 96.00 (95.70 to 96.70): VV016096.D (-314) (-)

Ion 61.00 (60.70 to 61.70): VV016096.D (-314) (-)

Ion 63.00 (62.70 to 63.70): VV016096.D (-314) (-)





#13

Acetone

Concen: 476.816 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.01 min

Lab File: VV016094.D

Acq: 18 May 2020 12:02

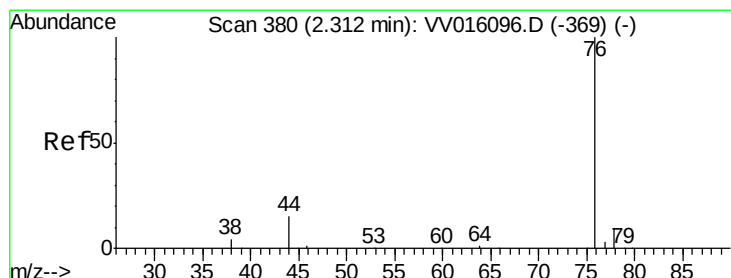
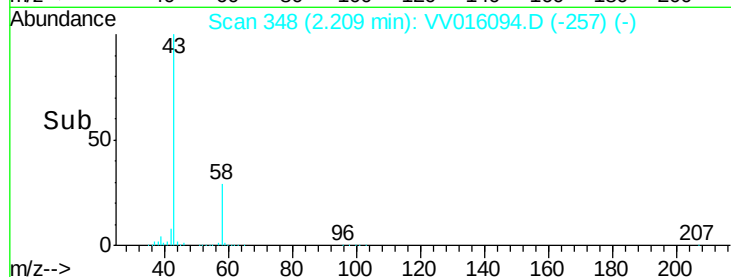
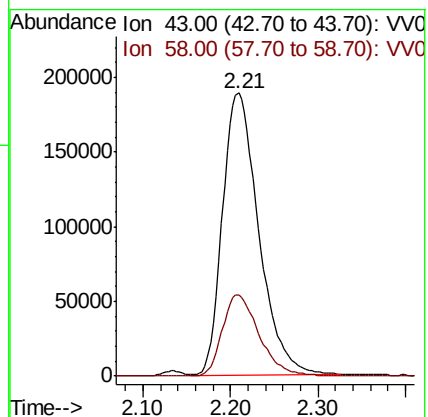
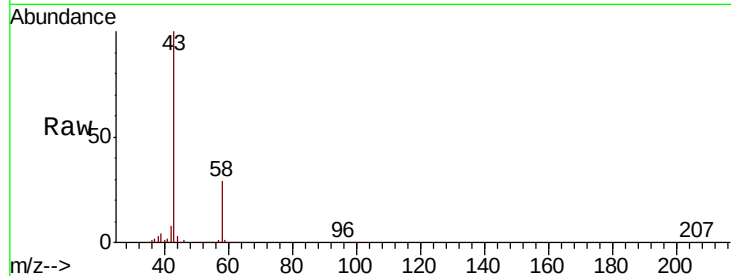
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 542691

Ion Ratio Lower Upper

43 100

58 29.0 0.0 57.8



#14

Carbon disulfide

Concen: 171.053 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV016094.D

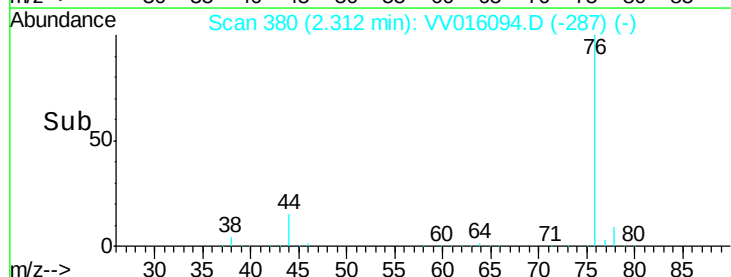
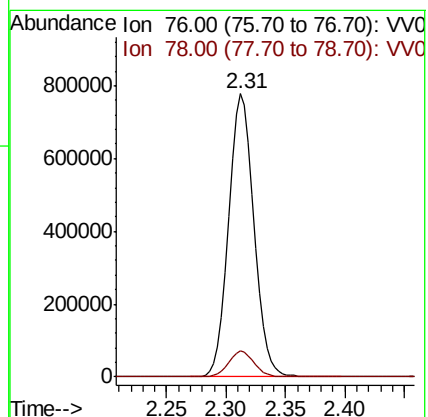
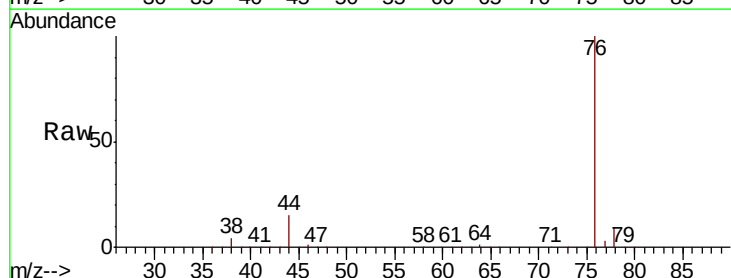
Acq: 18 May 2020 12:02

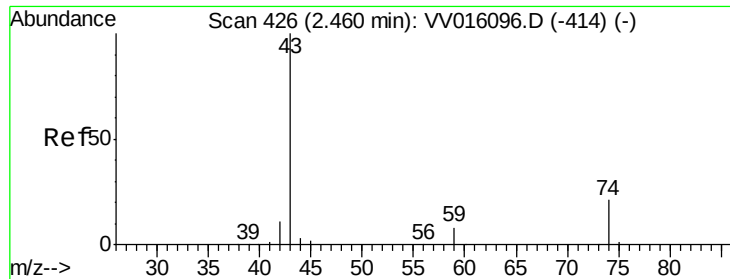
Tgt Ion: 76 Resp: 1148783

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8

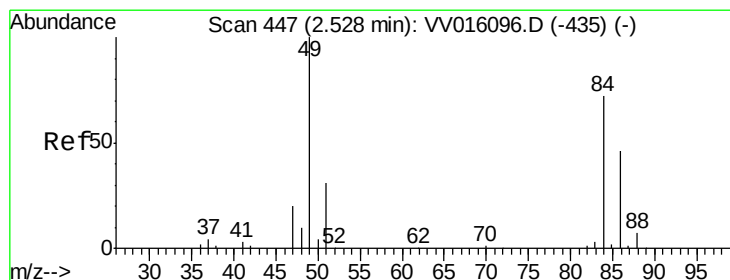
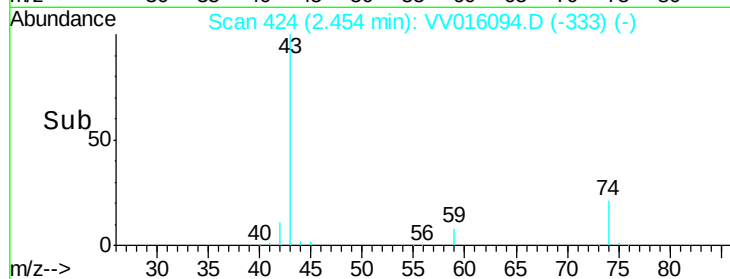
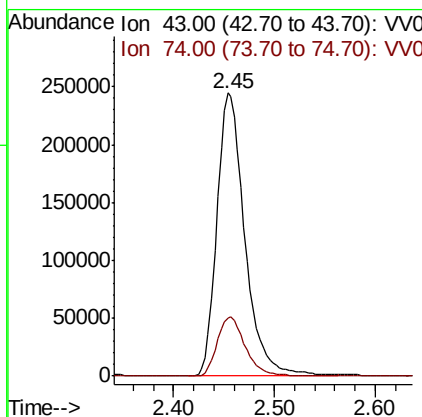
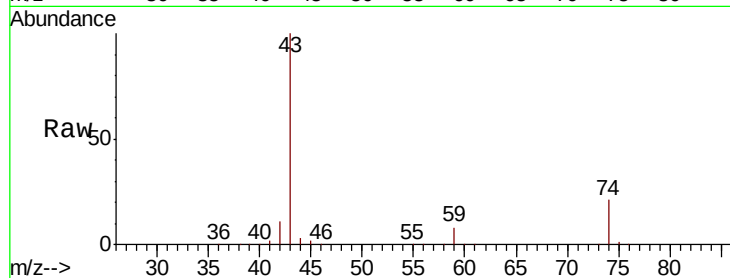




#15
Methvl Acetate
Concen: 197.024 ug/L
RT: 2.45 min Scan# 424
Delta R.T. -0.01 min
Lab File: VV016094.D
Acq: 18 May 2020 12:02

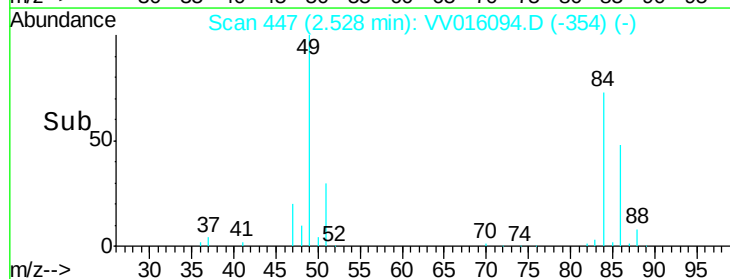
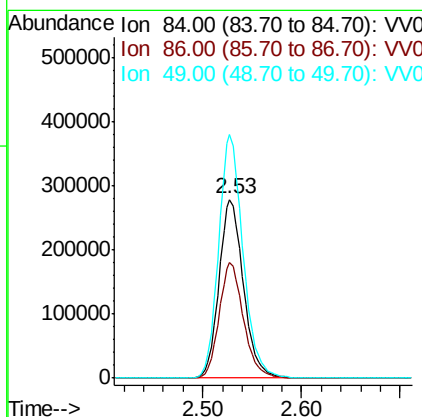
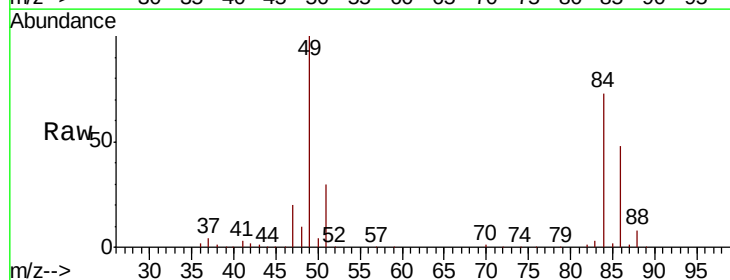
Instrument :
MSVOA_V
ClientSampled :

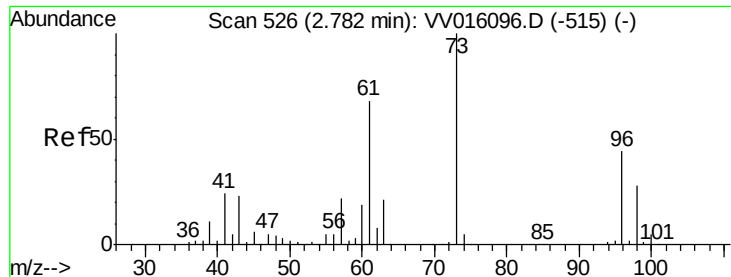
Tot Ion: 43 Resp: 468732
Ion Ratio Lower Upper
43 100
74 21.2 17.3 25.9



#16
Methylene chloride
Concen: 185.159 ug/L
RT: 2.53 min Scan# 447
Delta R.T. -0.00 min
Lab File: VV016094.D
Acq: 18 May 2020 12:02

Tgt Ion: 84 Resp: 484594
Ion Ratio Lower Upper
84 100
86 64.9 45.1 83.7
49 136.2 97.8 181.6

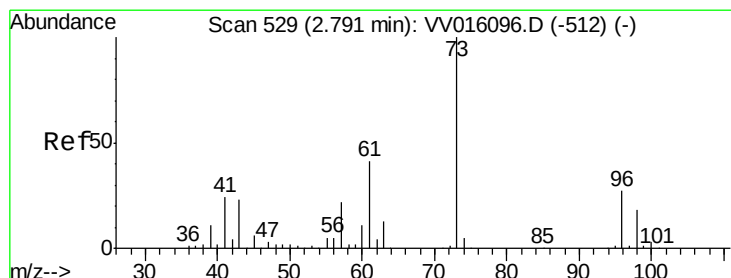
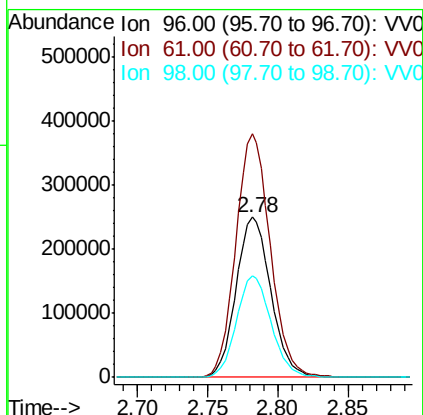
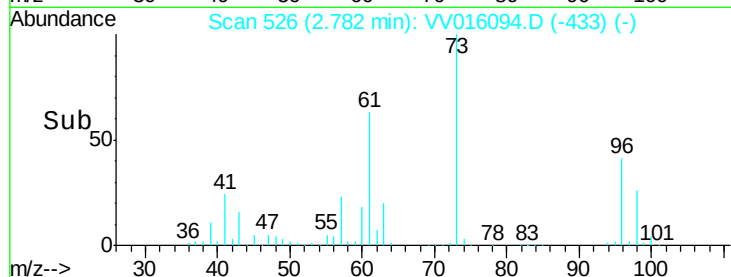
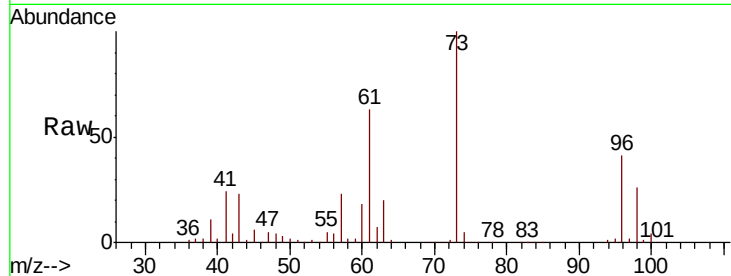




#17
trans-1,2-Dichloroethene
Concen: 183.900 ug/L
RT: 2.78 min Scan# 526
Delta R.T. -0.00 min
Lab File: VV016094.D
Acq: 18 May 2020 12:02

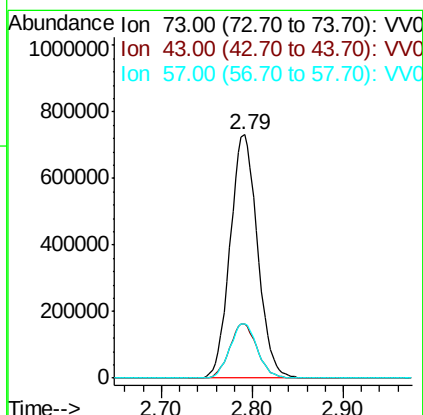
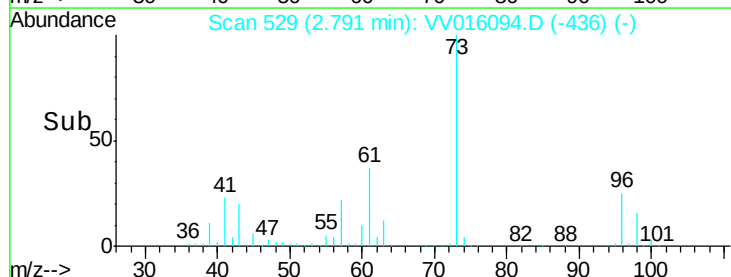
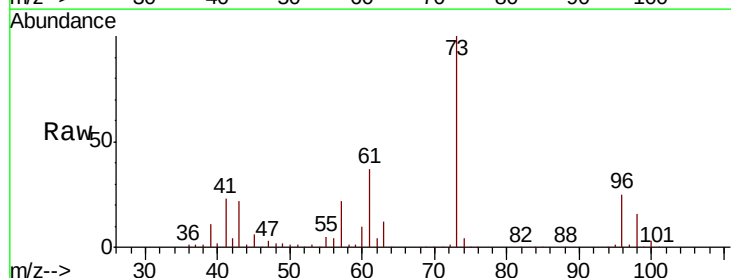
Instrument :
MSVOA_V
ClientSampled :

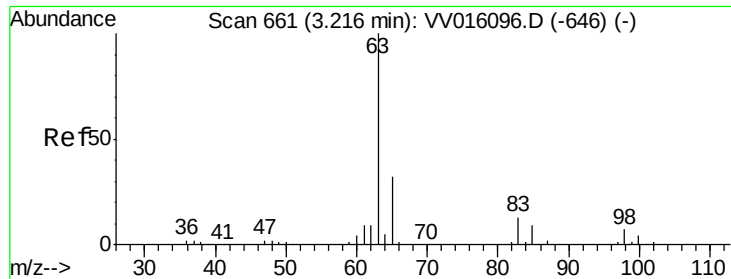
Tot Ion: 96 Resp: 432873
Ion Ratio Lower Upper
96 100
61 152.2 107.1 198.9
98 63.6 44.0 81.8



#18
Methyl tert-butyl Ether
Concen: 195.223 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV016094.D
Acq: 18 May 2020 12:02

Tgt Ion: 73 Resp: 1525908
Ion Ratio Lower Upper
73 100
43 22.3 18.2 27.4
57 22.5 17.9 26.9

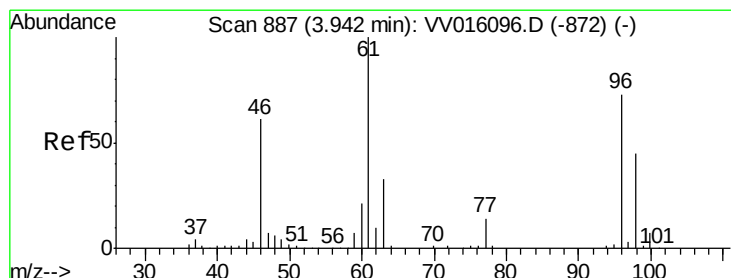
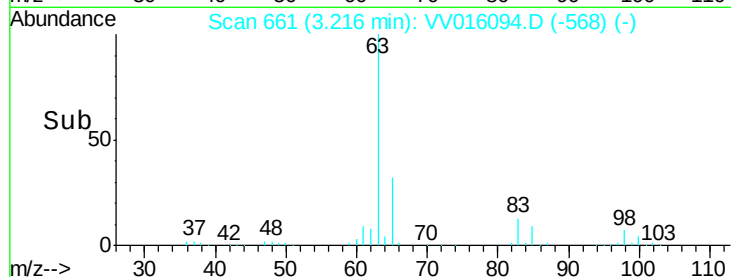
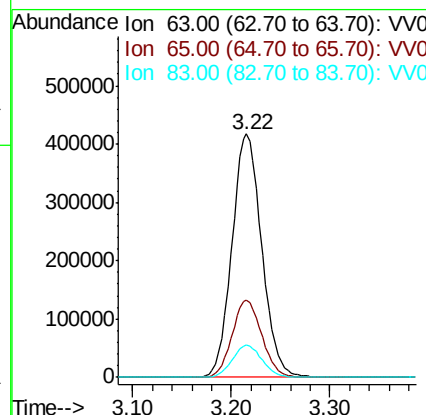
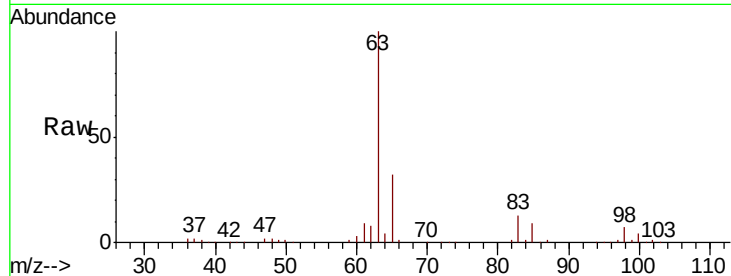




#19
 1,1-Dichloroethane
 Concen: 200.345 ug/L
 RT: 3.22 min Scan# 661
 Delta R.T. -0.00 min
 Lab File: VV016094.D
 Acq: 18 May 2020 12:02

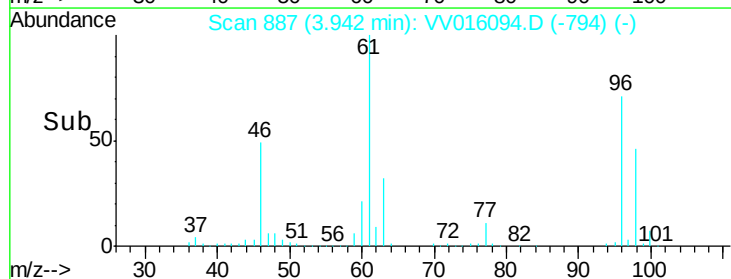
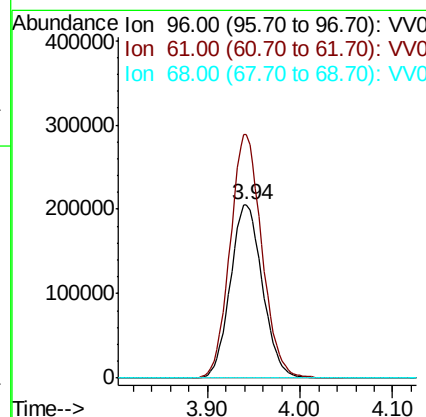
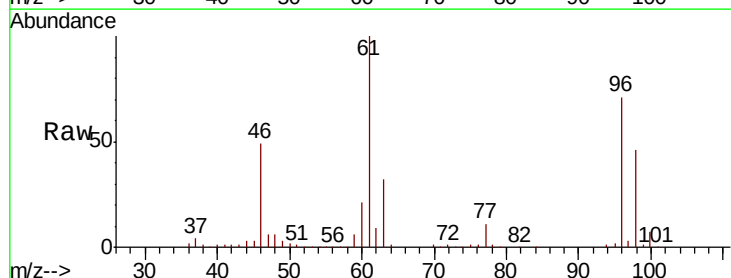
Instrument :
 MSVOA_V
 ClientSampled :

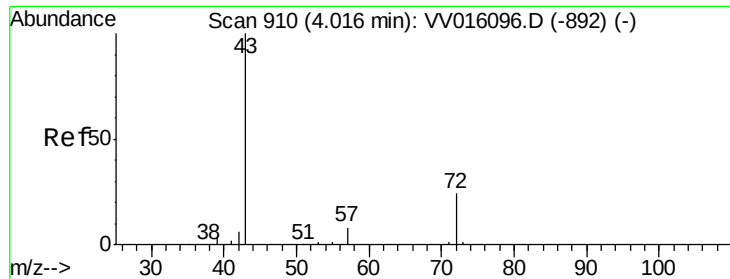
Tot Ion: 63 Resp: 876623
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.5 41.9
 83 13.1 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 183.509 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. -0.00 min
 Lab File: VV016094.D
 Acq: 18 May 2020 12:02

Tgt Ion: 96 Resp: 493783
 Ion Ratio Lower Upper
 96 100
 61 140.2 96.5 179.3
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 436.965 ug/L

RT: 4.01 min Scan# 907

Delta R.T. -0.01 min

Lab File: VV016094.D

Acq: 18 May 2020 12:02

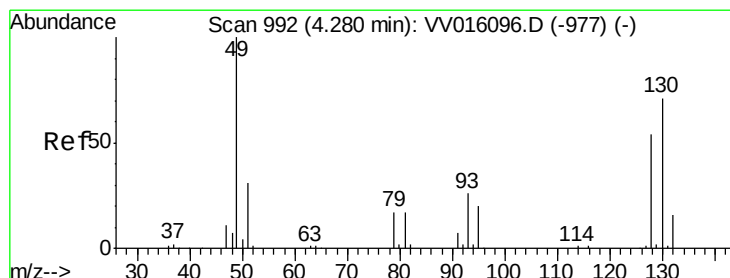
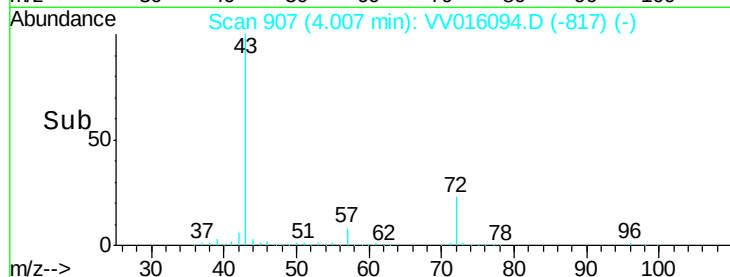
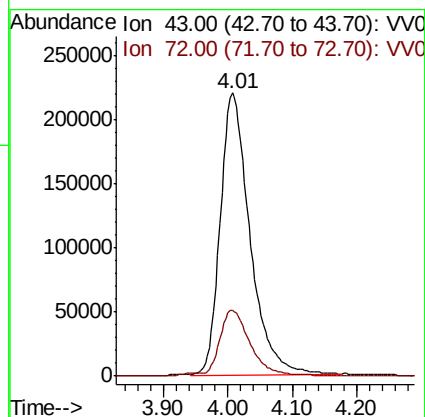
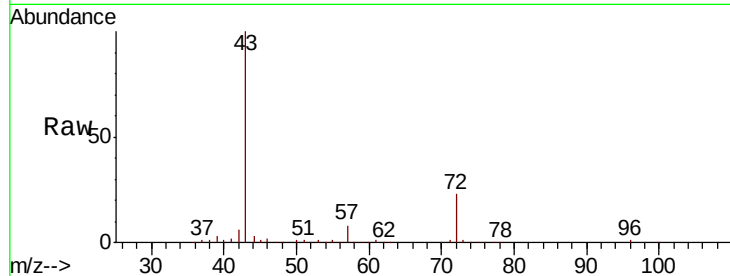
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 704381

Ion Ratio Lower Upper

43 100

72 23.6 11.3 33.8



#23

Bromochloromethane

Concen: 182.966 ug/L

RT: 4.28 min Scan# 991

Delta R.T. -0.00 min

Lab File: VV016094.D

Acq: 18 May 2020 12:02

Tgt Ion: 128 Resp: 248491

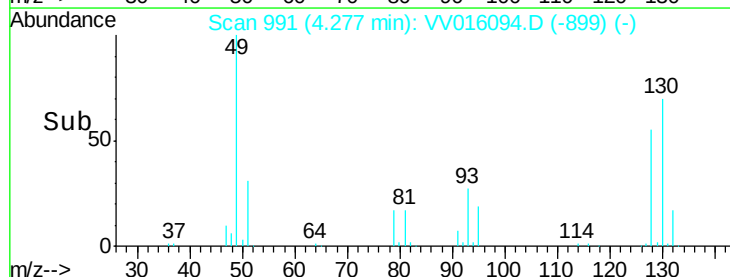
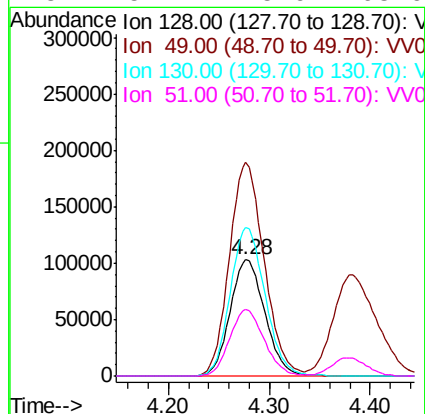
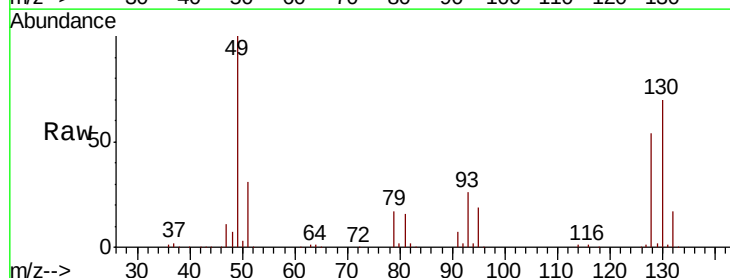
Ion Ratio Lower Upper

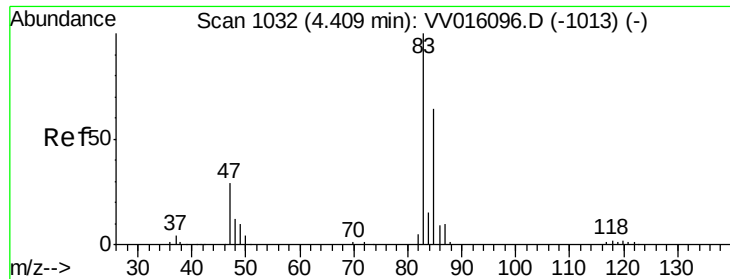
128 100

49 183.7 130.1 241.7

130 128.0 91.4 169.8

51 57.7 45.9 68.9

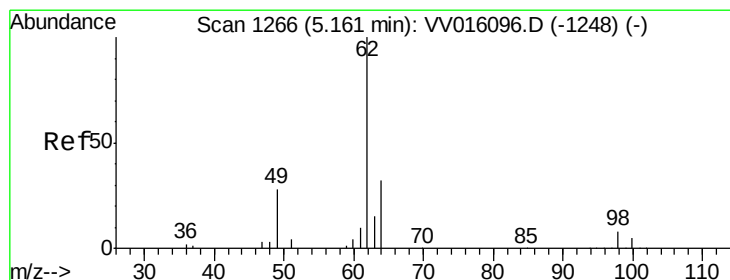
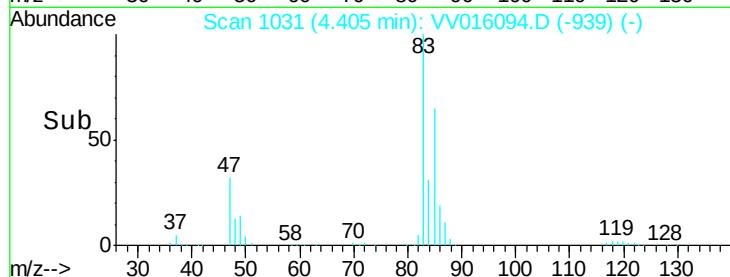
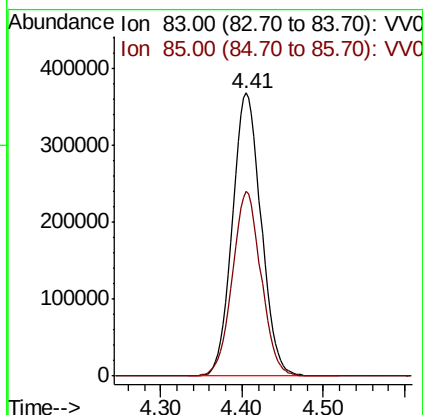
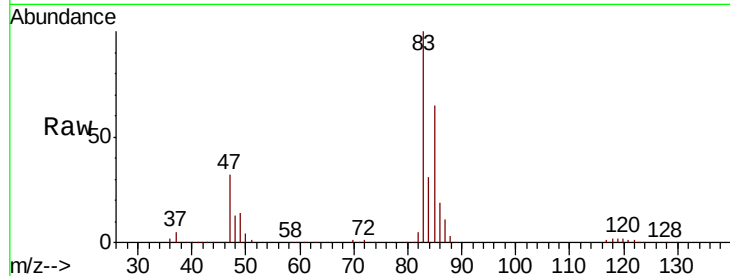




#25
Chloroform
Concen: 190.286 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VV016094.D
Acq: 18 May 2020 12:02

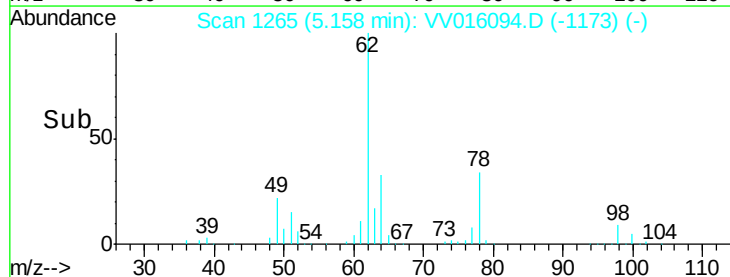
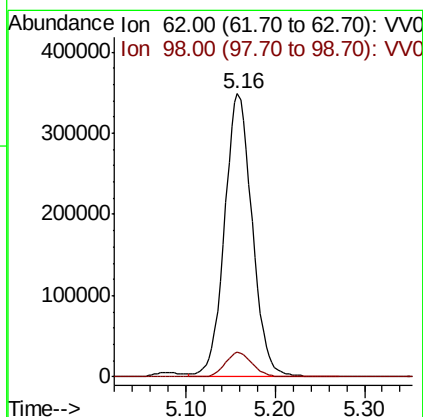
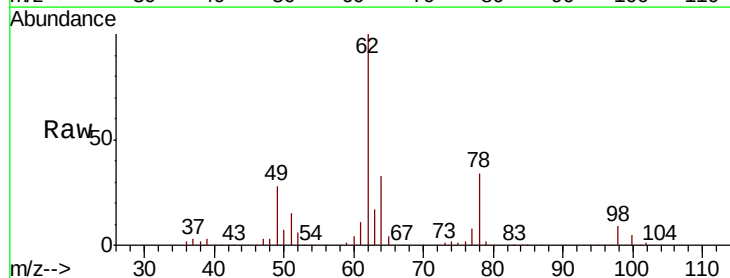
Instrument :
MSVOA_V
ClientSampleId :

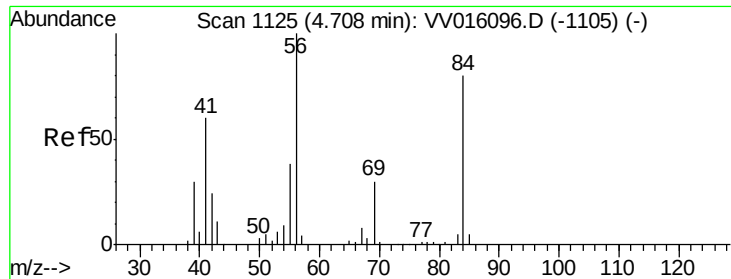
Tot Ion: 83 Resp: 905105
Ion Ratio Lower Upper
83 100
85 65.1 45.1 83.9



#27
1,2-Dichloroethane
Concen: 206.359 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VV016094.D
Acq: 18 May 2020 12:02

Tgt Ion: 62 Resp: 745602
Ion Ratio Lower Upper
62 100
98 8.6 6.6 10.0

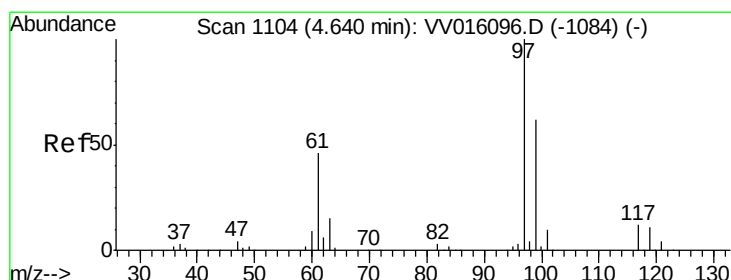
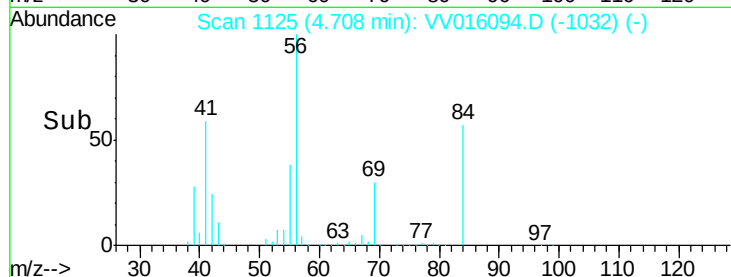
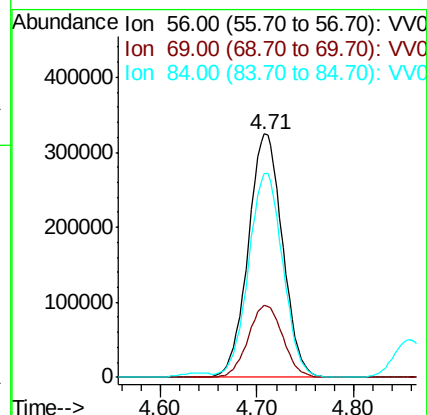
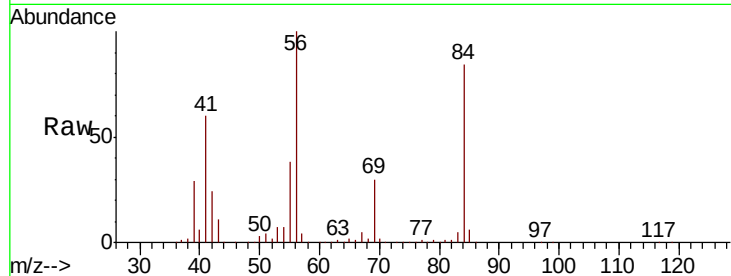




#29
Cyclohexane
Concen: 193.096 ug/L
RT: 4.71 min Scan# 1125
Delta R.T. -0.00 min
Lab File: VV016094.D
Acq: 18 May 2020 12:02

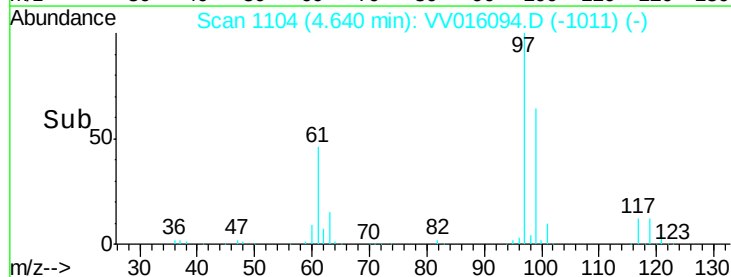
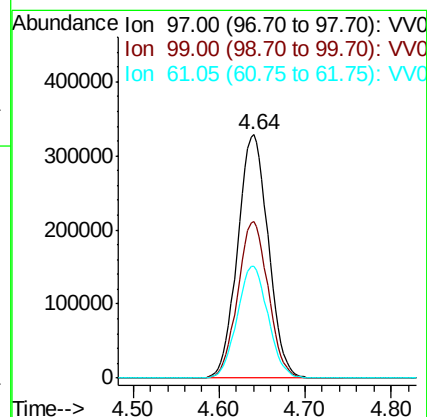
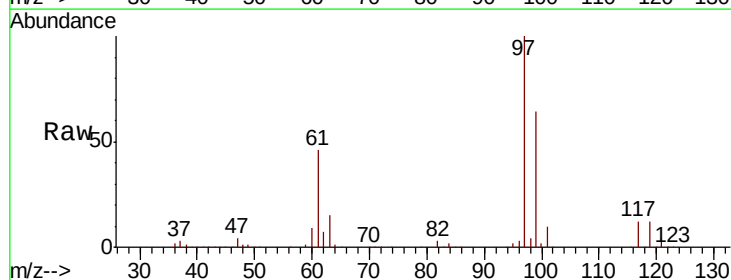
Instrument :
MSVOA_V
ClientSampleId :

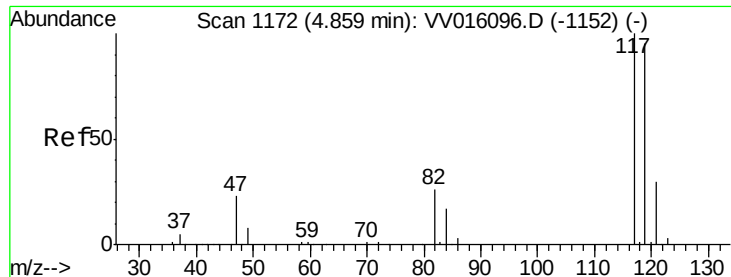
Tot Ion: 56 Resp: 798667
Ion Ratio Lower Upper
56 100
69 29.9 23.9 35.9
84 84.0 65.7 98.5



#30
1,1,1-Trichloroethane
Concen: 183.824 ug/L
RT: 4.64 min Scan# 1104
Delta R.T. -0.00 min
Lab File: VV016094.D
Acq: 18 May 2020 12:02

Tgt Ion: 97 Resp: 814226
Ion Ratio Lower Upper
97 100
99 63.9 50.2 75.4
61 46.3 37.5 56.3

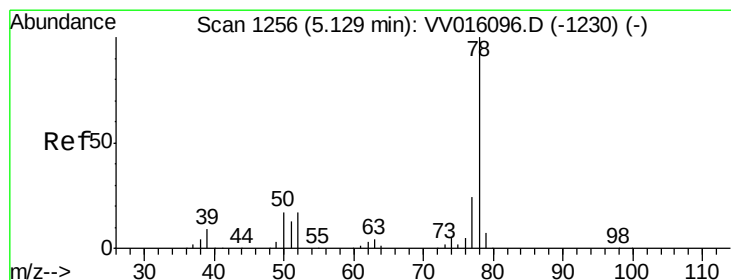
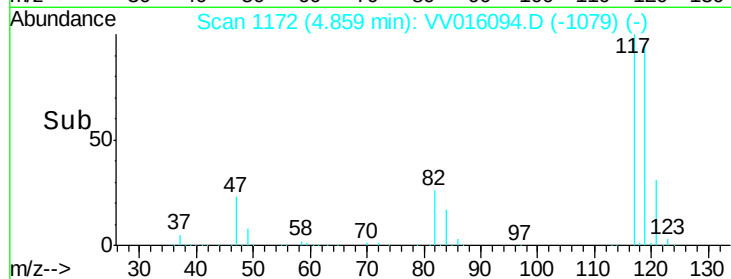
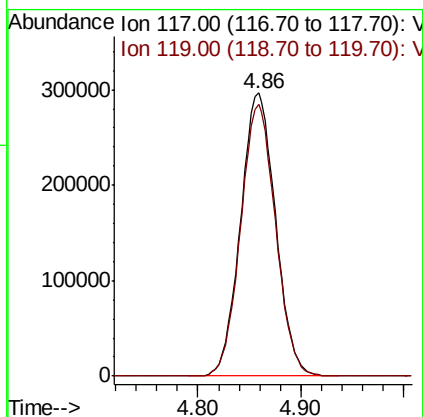
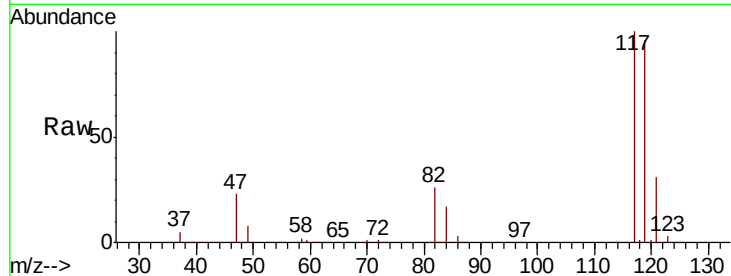




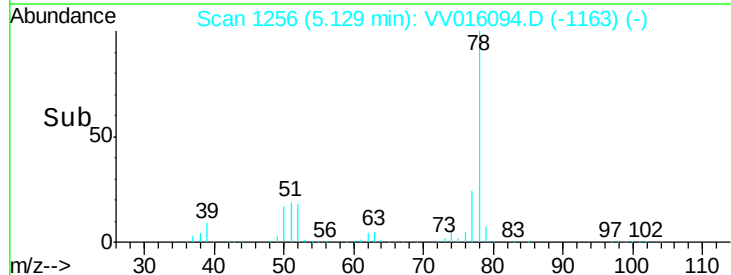
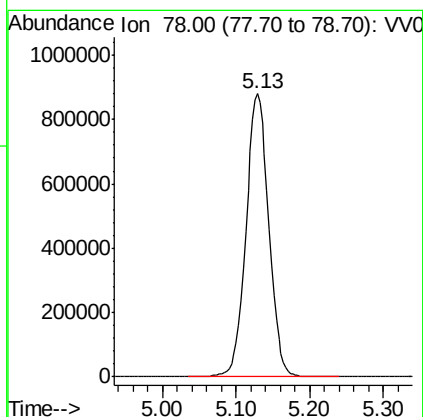
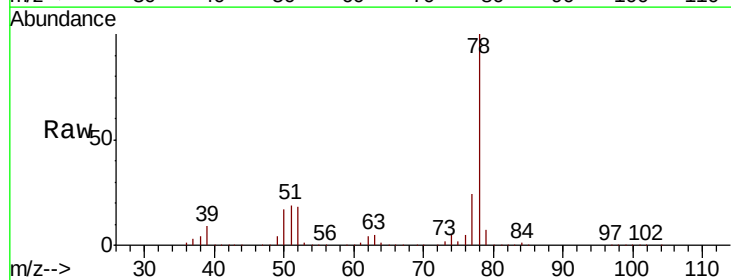
#31
Carbon tetrachloride
Concen: 184.955 ug/L
RT: 4.86 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VV016094.D
Acq: 18 May 2020 12:02

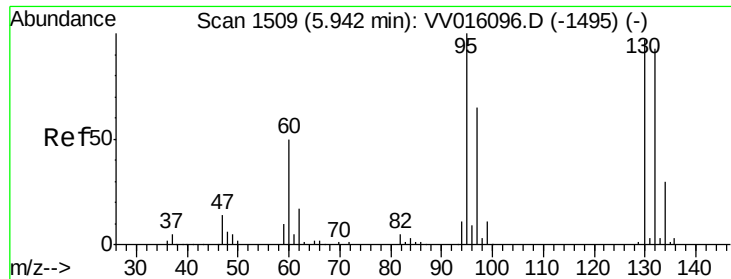
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 698474
Ion Ratio Lower Upper
117 100
119 95.8 75.7 113.5



#33
Benzene
Concen: 185.420 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. -0.00 min
Lab File: VV016094.D
Acq: 18 May 2020 12:02
Tgt Ion: 78 Resp: 1890865

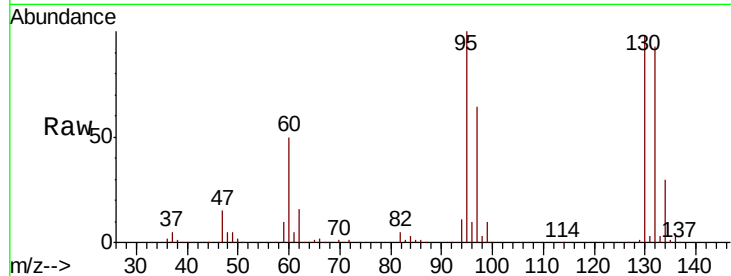




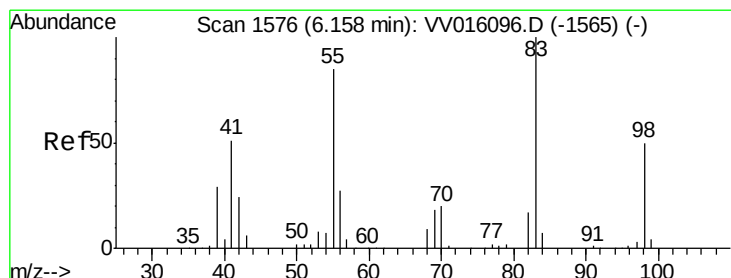
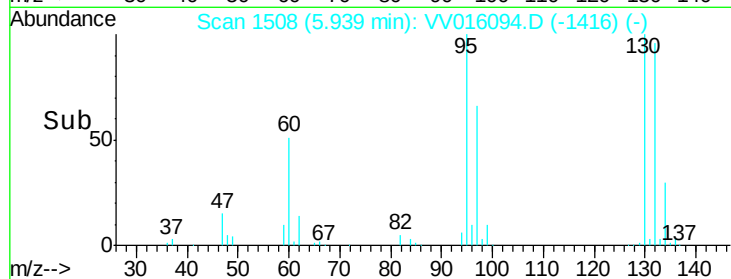
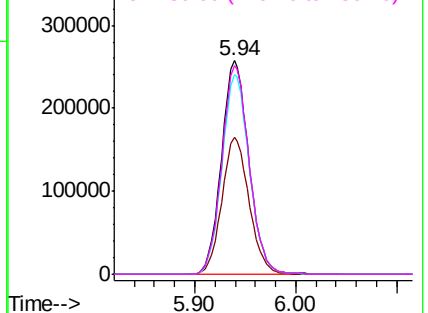
#34
 Trichloroethene
 Concen: 181.539 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. -0.00 min
 Lab File: VV016094.D
 Acq: 18 May 2020 12:02

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	95	Resp:	487992
Ion	Ratio	Lower	Upper
95	100		
97	64.1	45.7	84.9
132	93.5	65.4	121.4
130	97.7	68.0	126.2

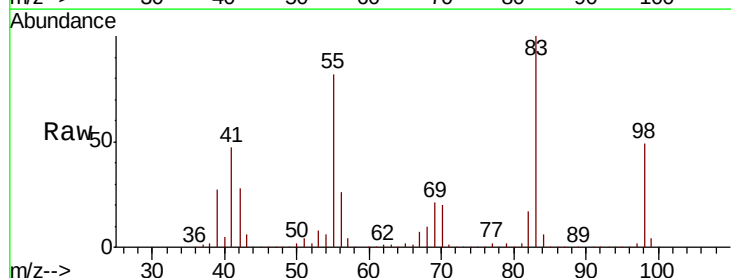


Abundance Ion 95.00 (94.70 to 95.70): VV016094.D (-1495) (-)
 Ion 97.00 (96.70 to 97.70): VV016094.D (-1495) (-)
 Ion 132.00 (131.70 to 132.70): VV016094.D (-1495) (-)
 Ion 130.00 (129.70 to 130.70): VV016094.D (-1495) (-)

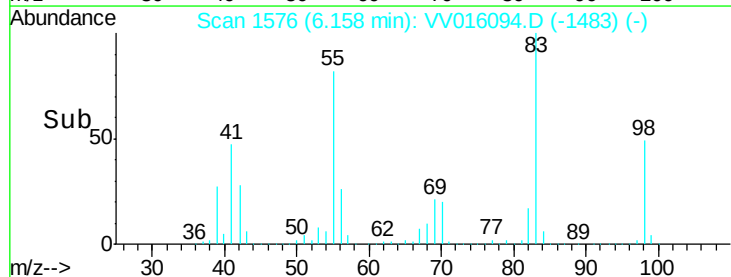
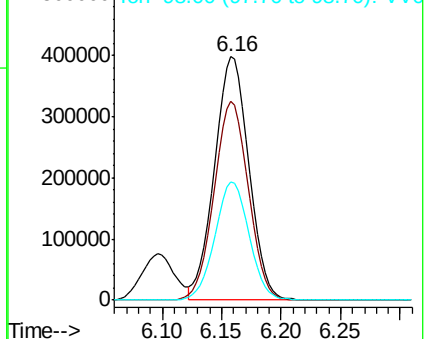


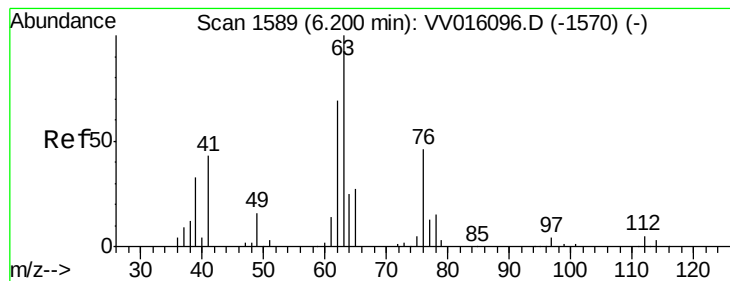
#35
 Methylcyclohexane
 Concen: 182.082 ug/L
 RT: 6.16 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VV016094.D
 Acq: 18 May 2020 12:02

Tgt Ion:	83	Resp:	798387
Ion	Ratio	Lower	Upper
83	100		
55	81.1	66.2	99.2
98	48.4	39.9	59.9



Abundance Ion 83.00 (82.70 to 83.70): VV016094.D (-1565) (-)
 Ion 55.00 (54.70 to 55.70): VV016094.D (-1565) (-)
 Ion 98.00 (97.70 to 98.70): VV016094.D (-1565) (-)





#37

1,2-Dichloropropane

Concen: 200.606 ug/L

RT: 6.20 min Scan# 1589

Delta R.T. -0.00 min

Lab File: VV016094.D

Acq: 18 May 2020 12:02

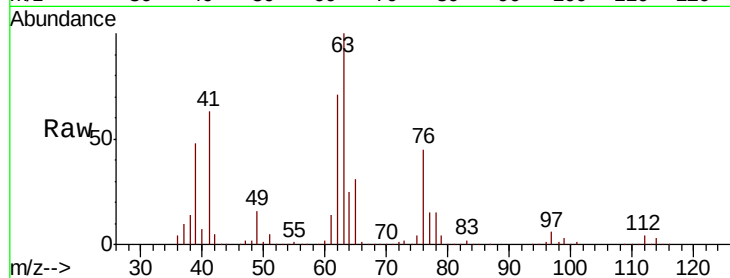
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 63 Resp: 510417

Ion Ratio Lower Upper

63 100

112 4.3 3.5 5.3



Abundance Ion 63.00 (62.70 to 63.70): VV016096.D (-1570) (-)

Ion 112.00 (111.70 to 112.70): VV016096.D (-1570) (-)

6.20

250000

200000

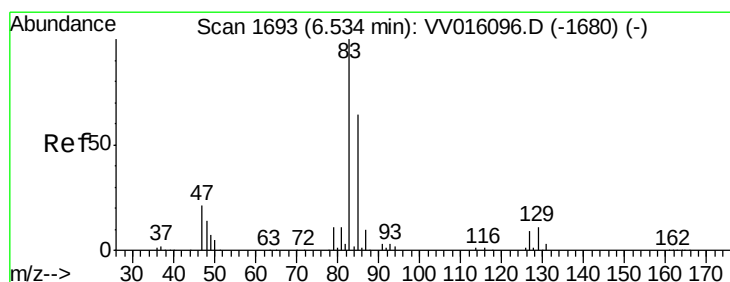
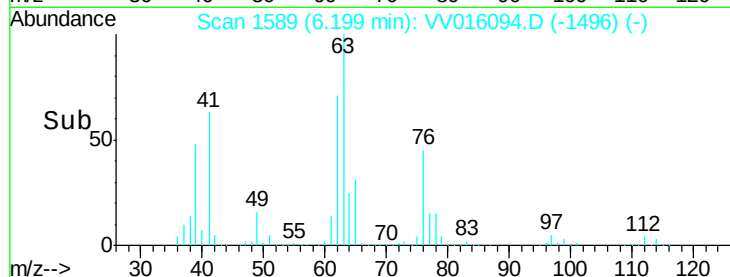
150000

100000

50000

0

Time-->



#38

Bromodichloromethane

Concen: 189.779 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. -0.00 min

Lab File: VV016094.D

Acq: 18 May 2020 12:02

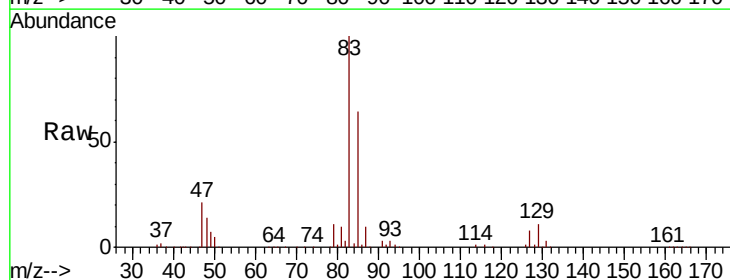
Tgt Ion: 83 Resp: 694004

Ion Ratio Lower Upper

83 100

85 64.2 44.7 82.9

127 8.2 7.1 10.7



Abundance Ion 83.00 (82.70 to 83.70): VV016096.D (-1680) (-)

Ion 85.00 (84.70 to 85.70): VV016096.D (-1680) (-)

Ion 127.00 (126.70 to 127.70): VV016096.D (-1680) (-)

6.53

500000

400000

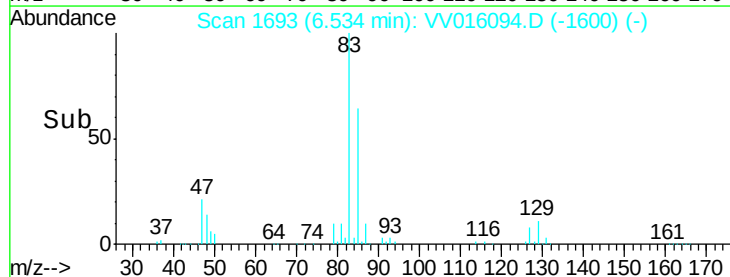
300000

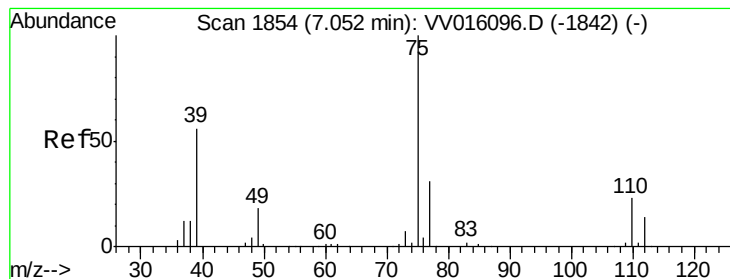
200000

100000

0

Time-->



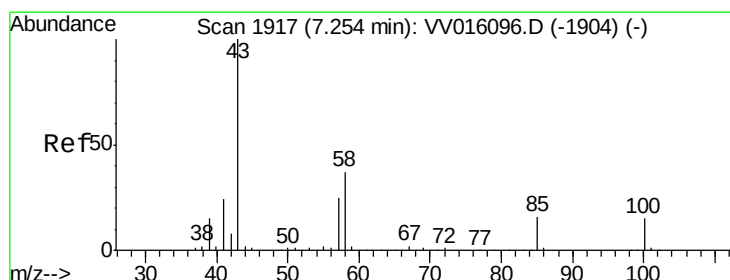
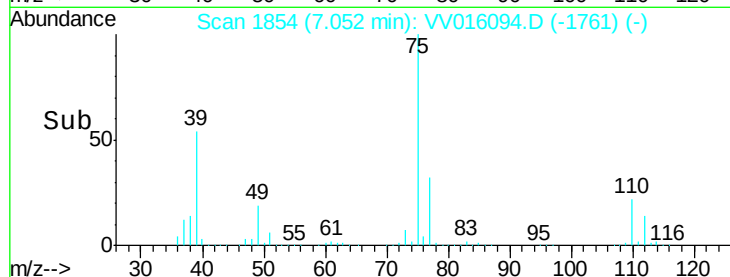
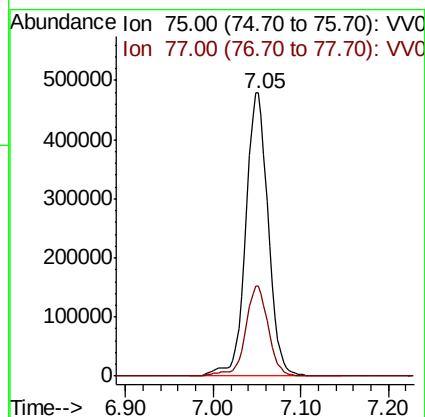
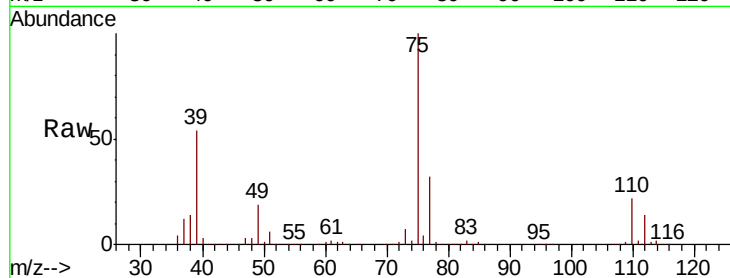


#39

cis-1,3-Dichloropropene
Concen: 203.232 ug/L
RT: 7.05 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VV016094.D
Acq: 18 May 2020 12:02

Instrument :
MSVOA_V
ClientSampleId :

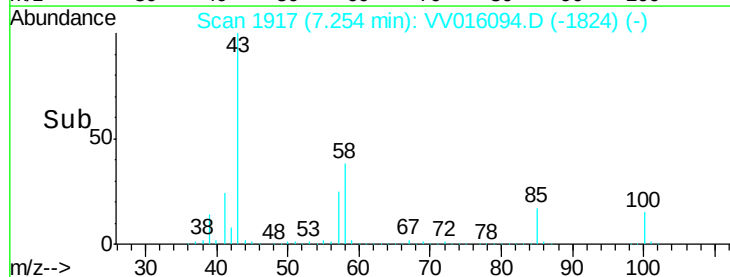
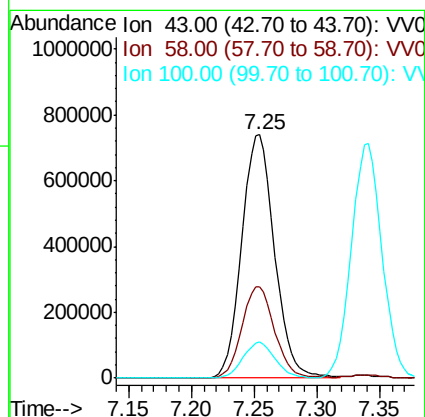
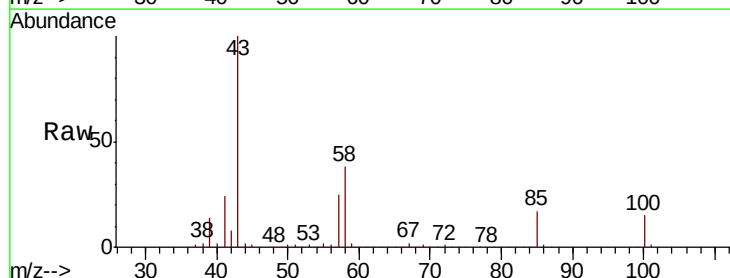
Tot Ion: 75 Resp: 855595
Ion Ratio Lower Upper
75 100
77 32.0 22.3 41.3

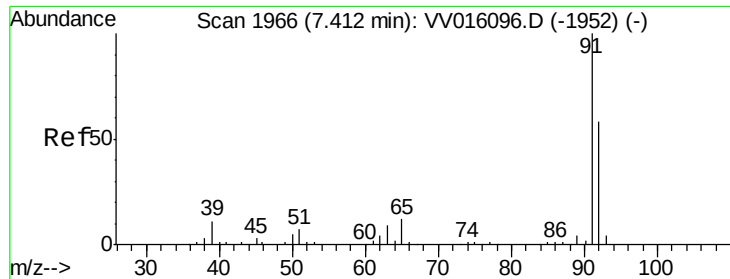


#40

4-Methyl-2-pentanone
Concen: 381.436 ug/L
RT: 7.25 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VV016094.D
Acq: 18 May 2020 12:02

Tgt Ion: 43 Resp: 1345865
Ion Ratio Lower Upper
43 100
58 37.5 29.4 44.2
100 14.5 11.0 16.6





#42

Toluene

Concen: 183.867 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. -0.00 min

Lab File: VV016094.D

Acq: 18 May 2020 12:02

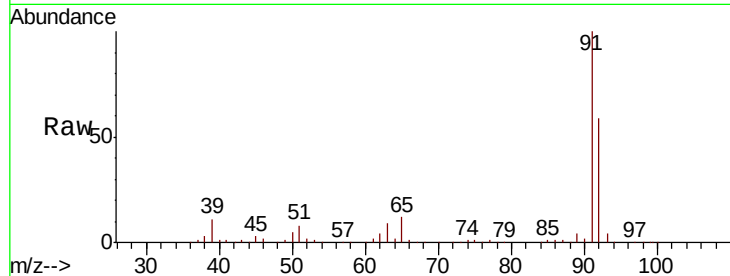
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 2073637

Ion Ratio Lower Upper

91 100

92 58.6 40.6 75.4



Abundance Ion 91.00 (90.70 to 91.70): VV016096.D (-1952) (-)

Ion 92.00 (91.70 to 92.70): VV016096.D (-1952) (-)

7.41

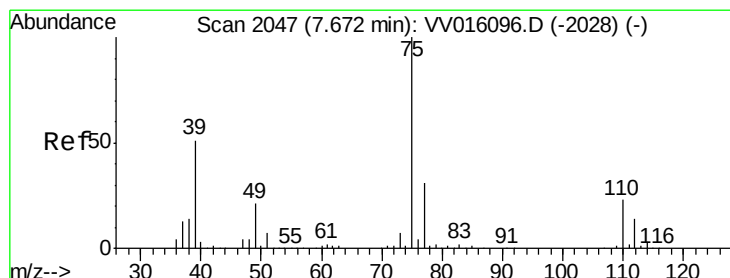
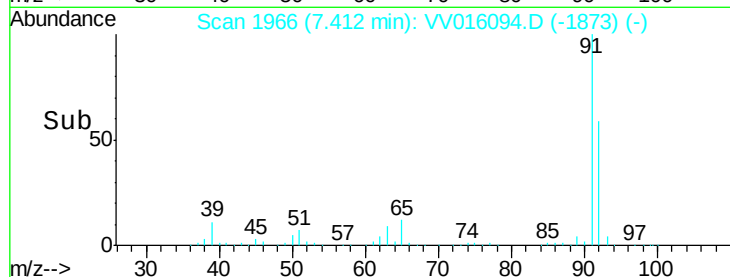
1500000

1000000

500000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 203.511 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV016094.D

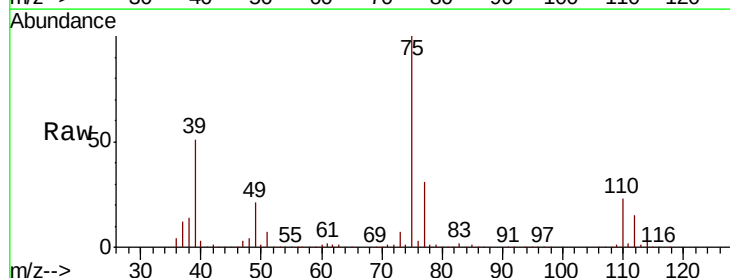
Acq: 18 May 2020 12:02

Tgt Ion: 75 Resp: 839571

Ion Ratio Lower Upper

75 100

77 31.5 21.3 39.6



Abundance Ion 75.00 (74.70 to 75.70): VV016096.D (-2028) (-)

Ion 77.00 (76.70 to 77.70): VV016096.D (-2028) (-)

7.67

600000

500000

400000

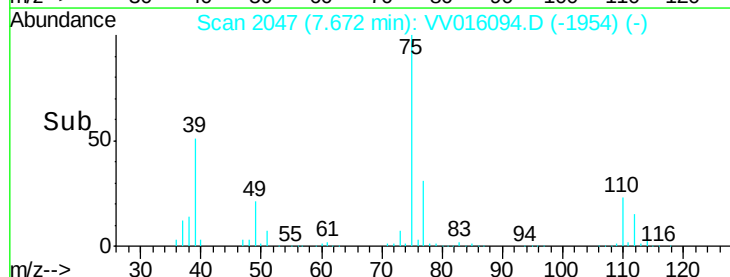
300000

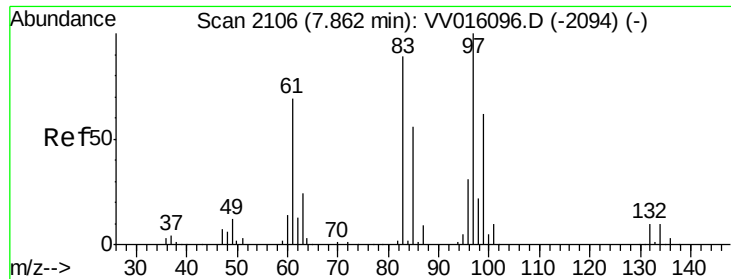
200000

100000

0

Time-->

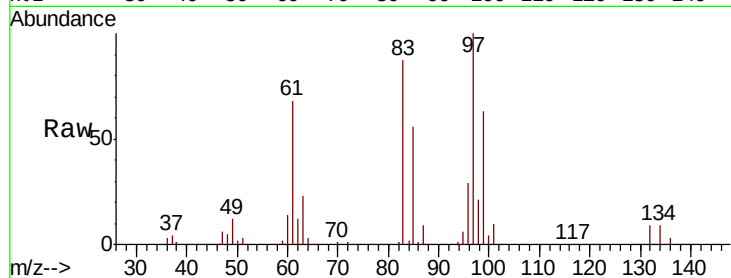




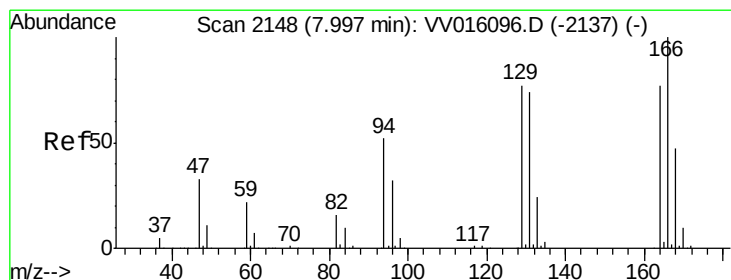
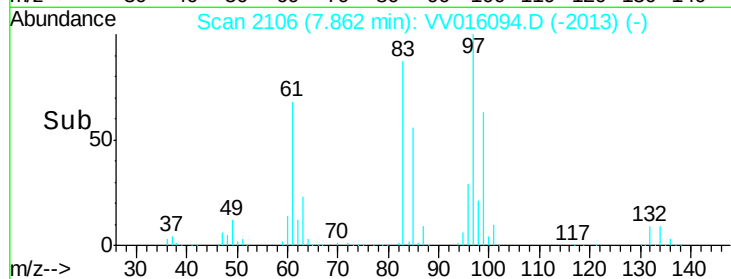
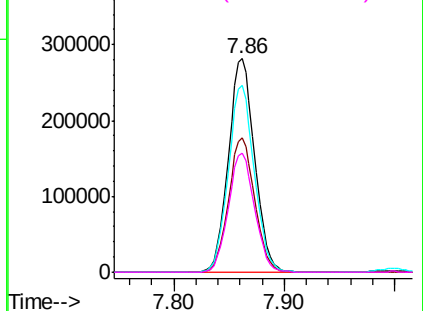
#45
 1,1,2-Trichloroethane
 Concen: 177.356 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. -0.00 min
 Lab File: VV016094.D
 Acq: 18 May 2020 12:02

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	463570
Ion	Ratio	Lower	Upper
97	100		
99	62.7	43.6	81.0
83	87.5	62.0	115.2
85	55.7	39.3	73.1

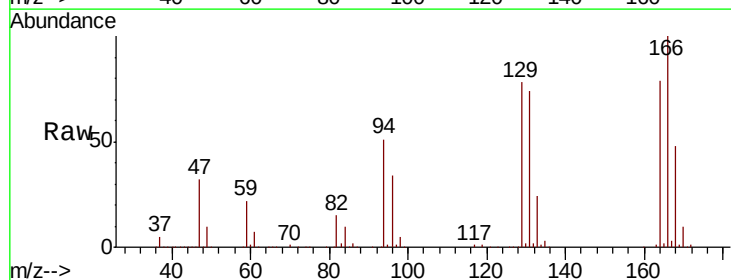


Abundance Ion 97.00 (96.70 to 97.70): VV016094.D (-2013) (-)
 Ion 99.00 (98.70 to 99.70): VV016094.D (-2013) (-)
 Ion 83.00 (82.70 to 83.70): VV016094.D (-2013) (-)
 Ion 85.00 (84.70 to 85.70): VV016094.D (-2013) (-)

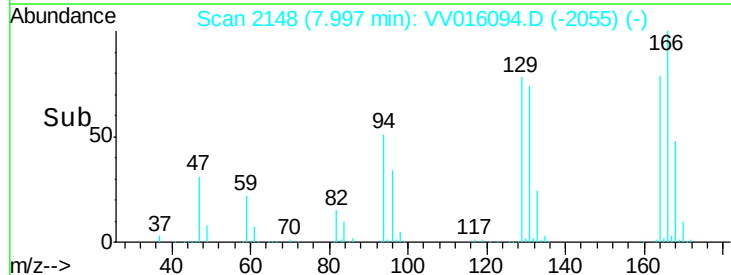
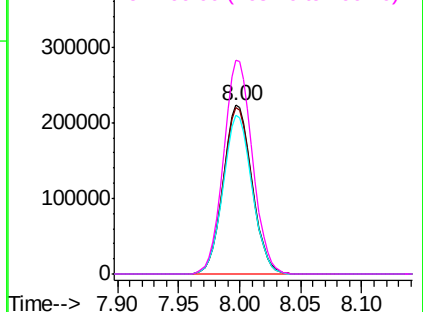


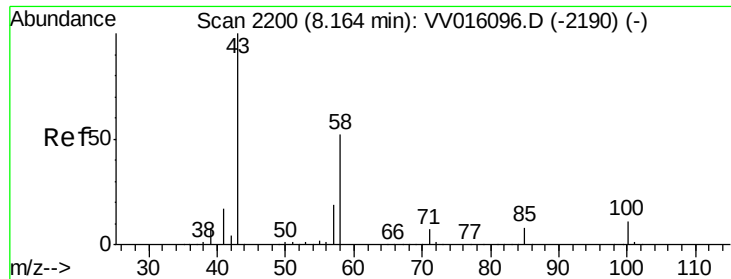
#46
 Tetrachloroethene
 Concen: 190.394 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV016094.D
 Acq: 18 May 2020 12:02

Tgt Ion:	164	Resp:	369990
Ion	Ratio	Lower	Upper
164	100		
129	98.5	70.3	130.7
131	93.8	67.1	124.5
166	126.4	90.9	168.9



Abundance Ion 164.00 (163.70 to 164.70): VV016094.D (-2055) (-)
 Ion 129.00 (128.70 to 129.70): VV016094.D (-2055) (-)
 Ion 131.00 (130.70 to 131.70): VV016094.D (-2055) (-)
 Ion 166.00 (165.70 to 166.70): VV016094.D (-2055) (-)

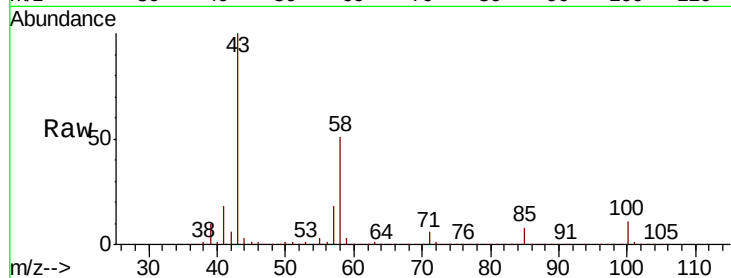




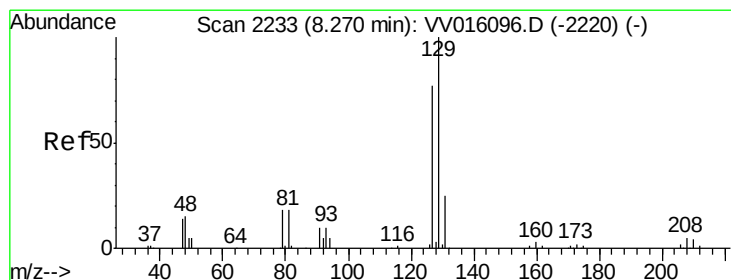
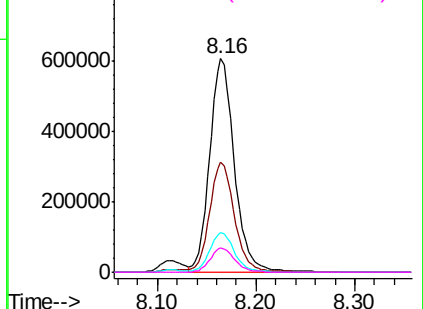
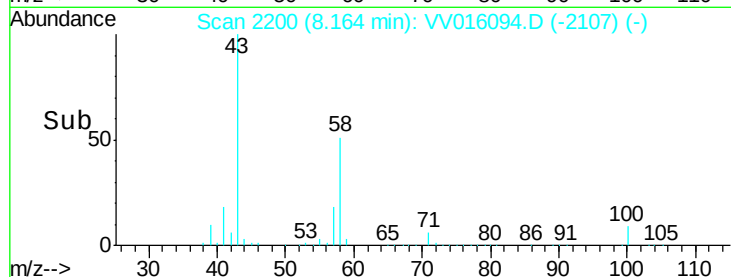
#48
2-Hexanone
Concen: 396.008 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VV016094.D
Acq: 18 May 2020 12:02

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 1054272
Ion Ratio Lower Upper
43 100
58 51.8 40.9 61.3
57 18.4 15.0 22.4
100 11.5 9.0 13.6

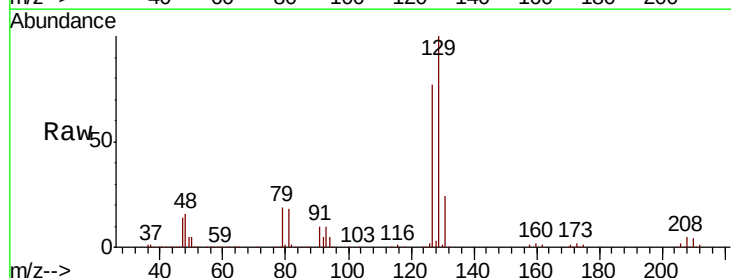


Abundance Ion 43.00 (42.70 to 43.70): VV016094.D (-2190) (-)
Ion 58.00 (57.70 to 58.70): VV016094.D (-2190) (-)
Ion 57.00 (56.70 to 57.70): VV016094.D (-2190) (-)
Ion 100.00 (99.70 to 100.70): VV016094.D (-2190) (-)

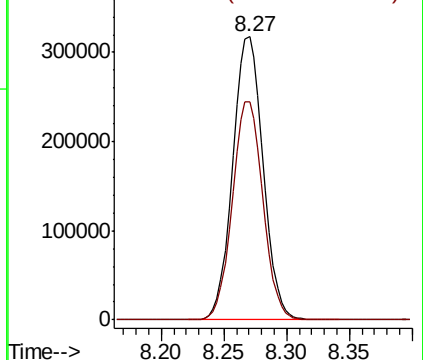
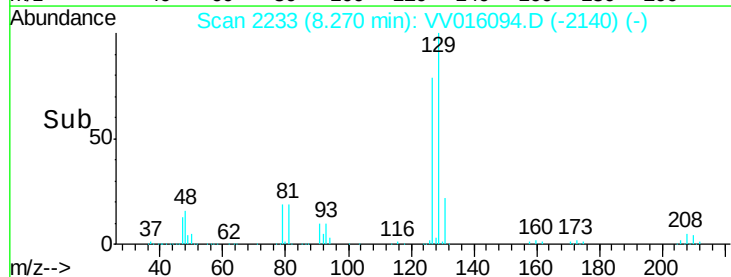


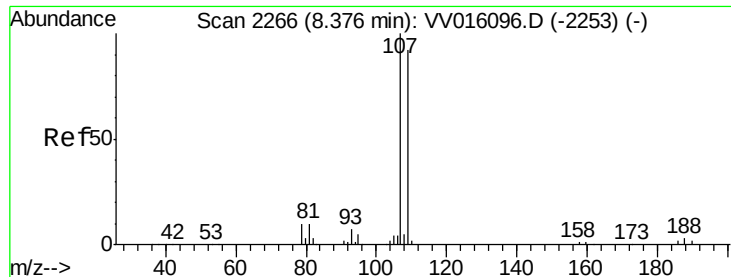
#49
Dibromochloromethane
Concen: 186.852 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. -0.00 min
Lab File: VV016094.D
Acq: 18 May 2020 12:02

Tgt Ion: 129 Resp: 534945
Ion Ratio Lower Upper
129 100
127 77.2 54.2 100.6



Abundance Ion 129.00 (128.70 to 129.70): VV016094.D (-2220) (-)
Ion 127.00 (126.70 to 127.70): VV016094.D (-2220) (-)

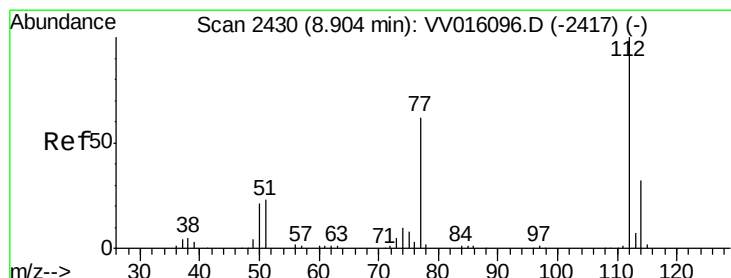
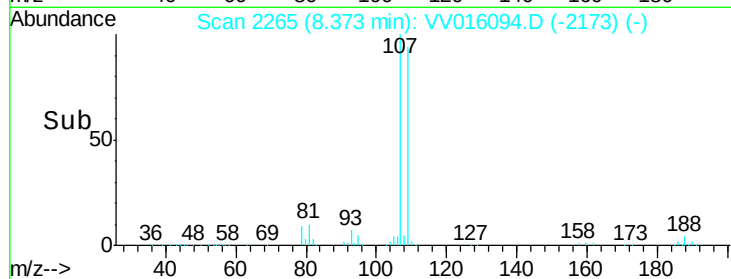
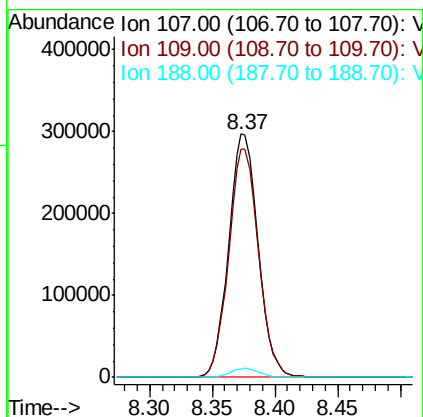
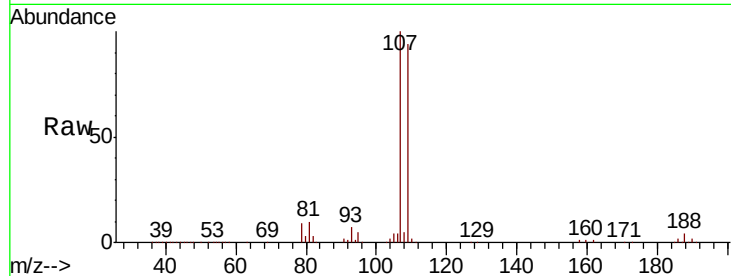




#50
1,2-Dibromoethane
Concen: 175.203 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV016094.D
Acq: 18 May 2020 12:02

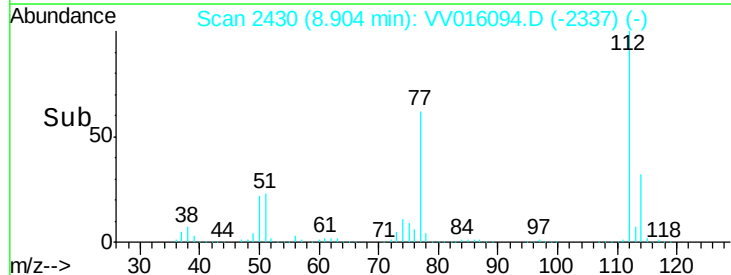
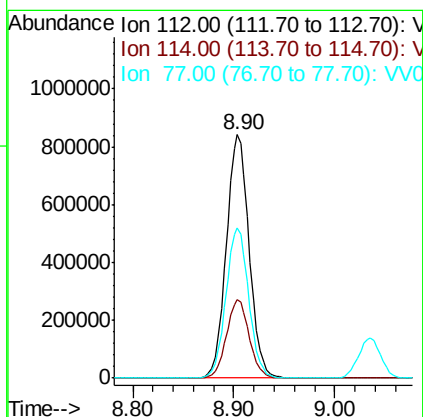
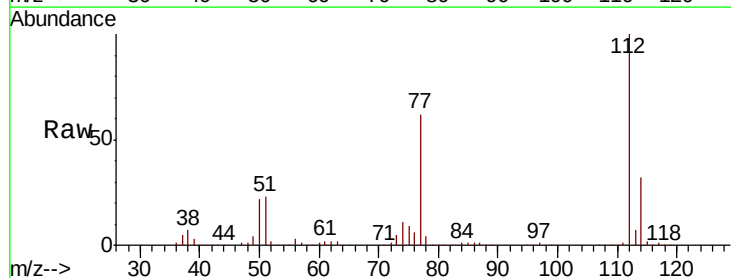
Instrument :
MSVOA_V
ClientSampleId :

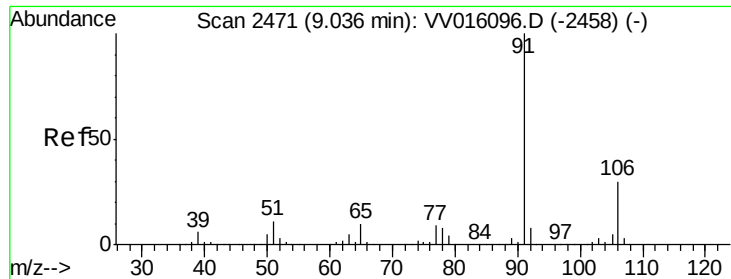
Tot Ion:107 Resp: 484973
Ion Ratio Lower Upper
107 100
109 93.9 64.6 120.0
188 3.5 2.7 4.1



#51
Chlorobenzene
Concen: 180.059 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV016094.D
Acq: 18 May 2020 12:02

Tgt Ion:112 Resp: 1326980
Ion Ratio Lower Upper
112 100
114 32.2 22.5 41.9
77 61.9 50.4 75.6





#52

Ethylbenzene

Concen: 188.402 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. -0.00 min

Lab File: VV016094.D

Acq: 18 May 2020 12:02

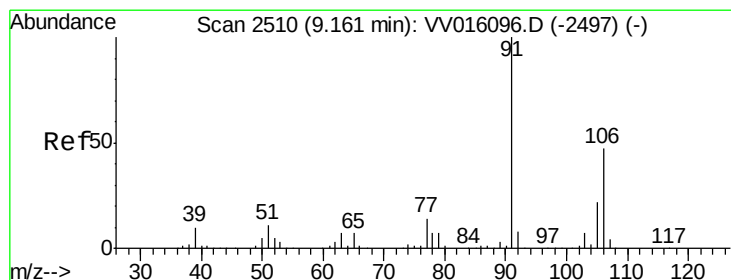
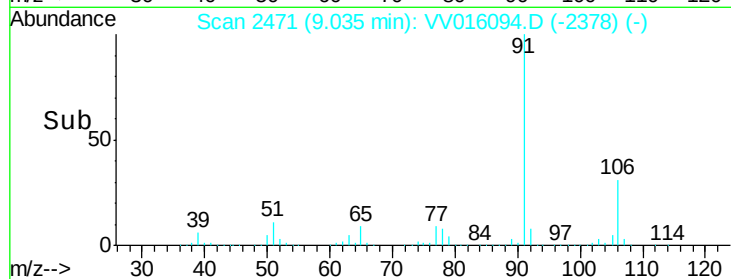
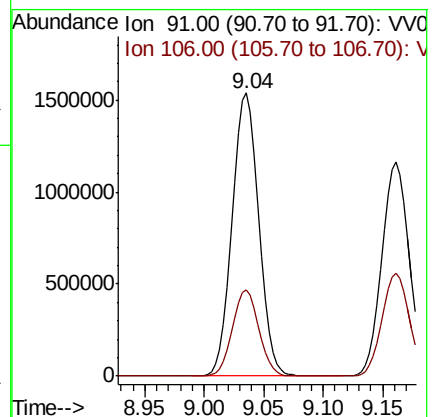
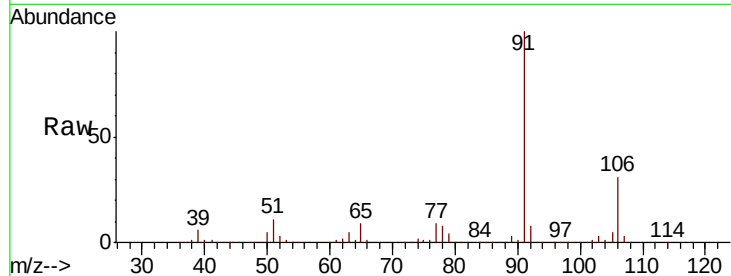
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 2384774

Ion Ratio Lower Upper

91 100

106 30.6 21.2 39.4



#53

m,p-Xylene

Concen: 184.433 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. -0.00 min

Lab File: VV016094.D

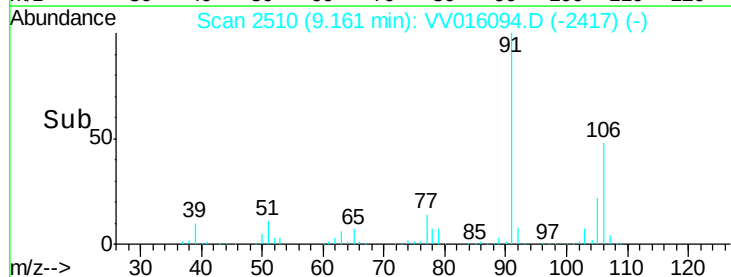
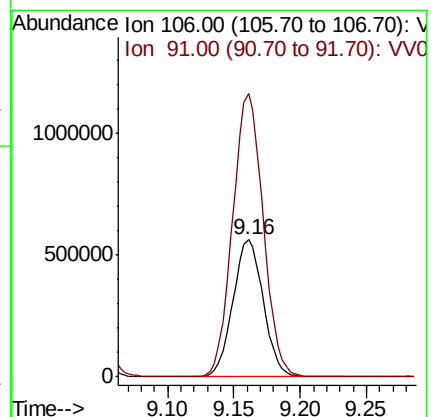
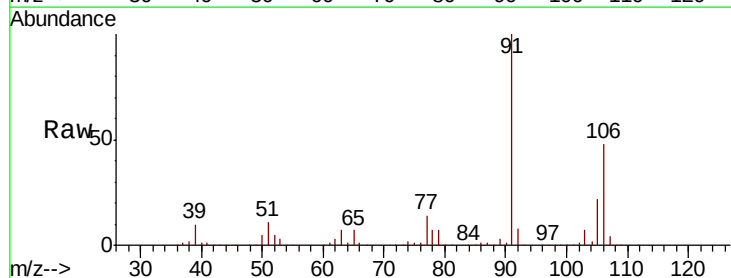
Acq: 18 May 2020 12:02

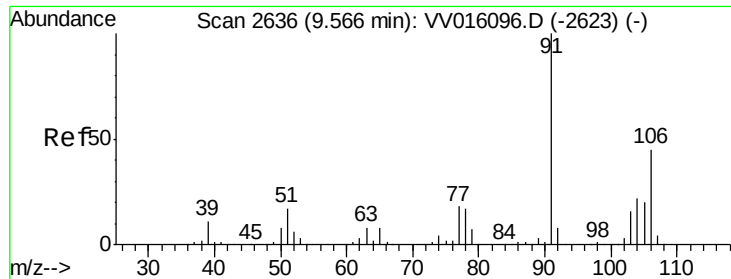
Tgt Ion: 106 Resp: 893298

Ion Ratio Lower Upper

106 100

91 206.8 147.8 274.4

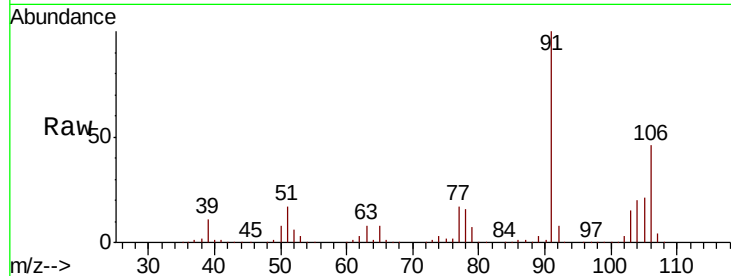




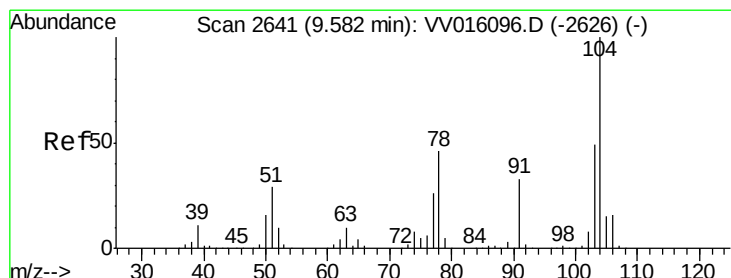
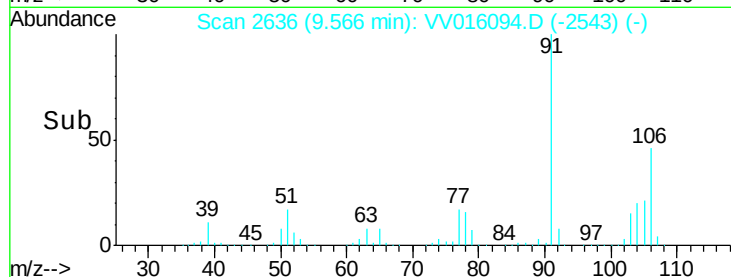
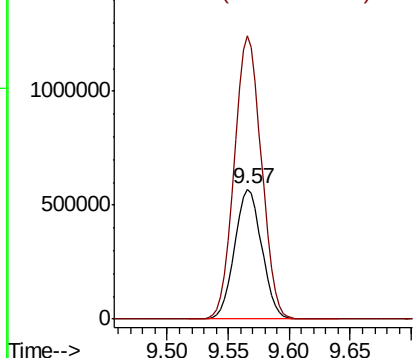
#54
o-xylene
Concen: 182.161 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. -0.00 min
Lab File: VV016094.D
Acq: 18 May 2020 12:02

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 881075
Ion Ratio Lower Upper
106 100
91 217.8 154.5 286.9

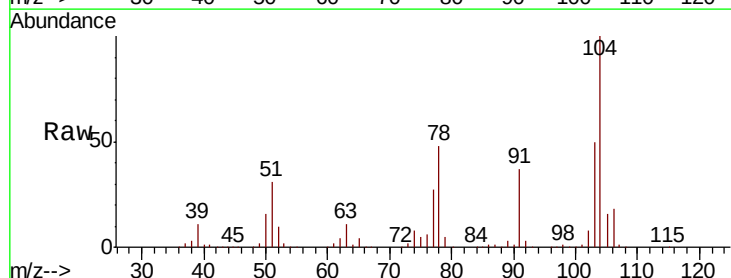


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

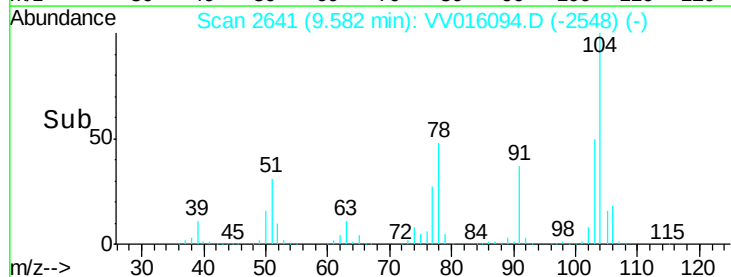
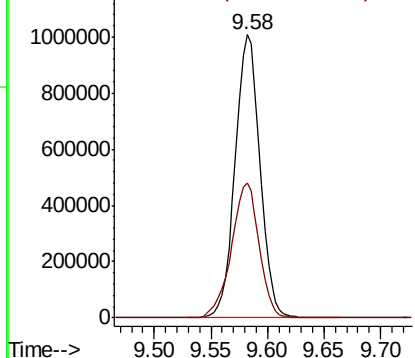


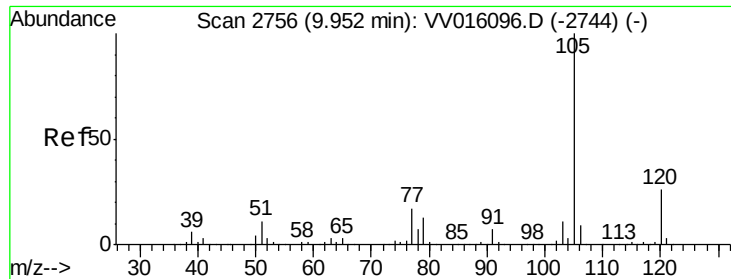
#55
Styrene
Concen: 190.312 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV016094.D
Acq: 18 May 2020 12:02

Tgt Ion:104 Resp: 1545933
Ion Ratio Lower Upper
104 100
78 47.8 32.6 60.6



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





#56

Isopropylbenzene

Concen: 187.458 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV016094.D

Acq: 18 May 2020 12:02

Instrument :

MSVOA_V

ClientSampleId :

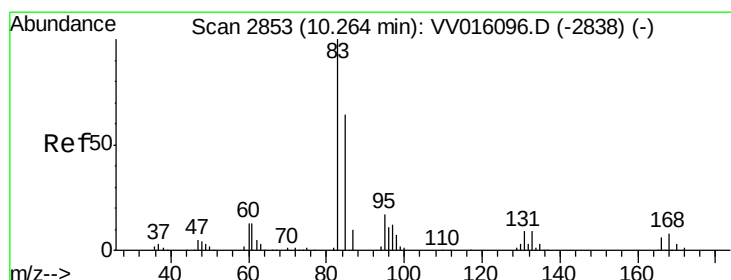
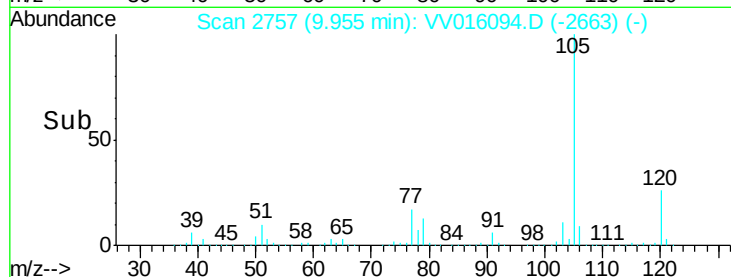
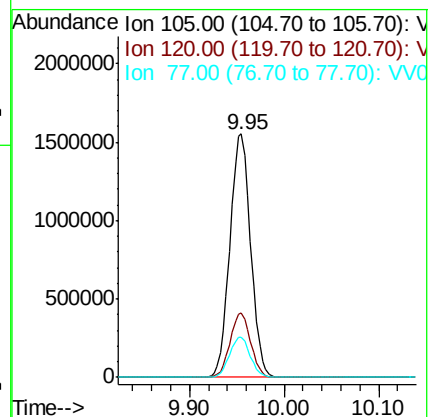
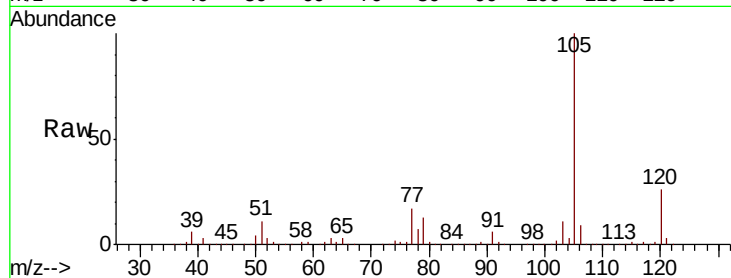
Tot Ion:105 Resp: 2363998

Ion Ratio Lower Upper

105 100

120 26.2 20.6 31.0

77 16.5 13.3 19.9



#58

1,1,2,2-Tetrachloroethane

Concen: 177.477 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV016094.D

Acq: 18 May 2020 12:02

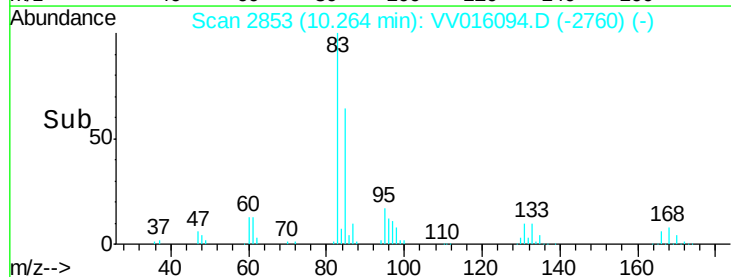
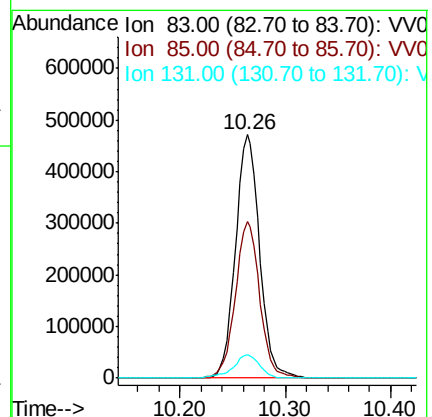
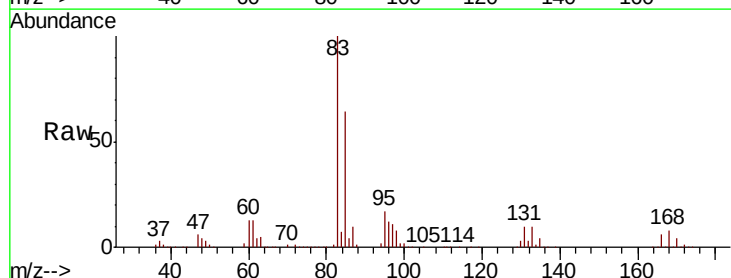
Tgt Ion: 83 Resp: 743455

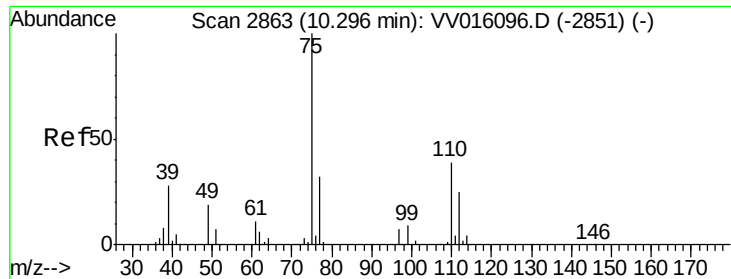
Ion Ratio Lower Upper

83 100

85 64.1 44.8 83.2

131 9.7 7.6 11.4

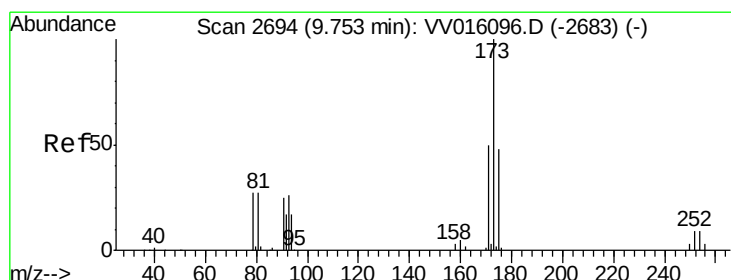
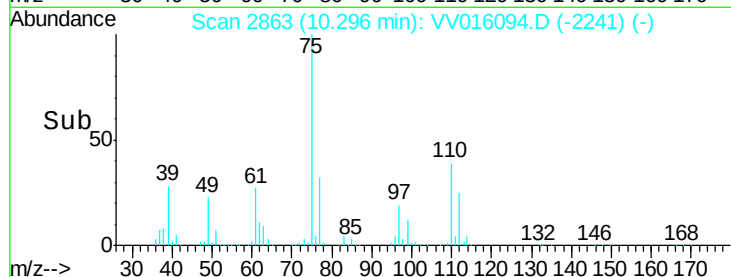
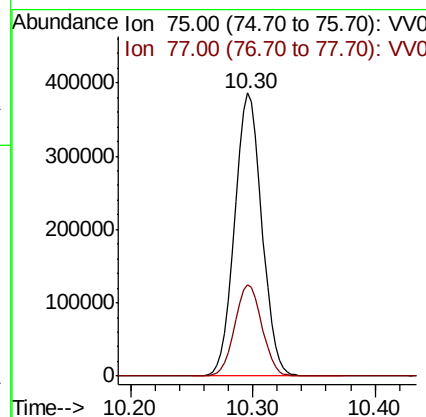
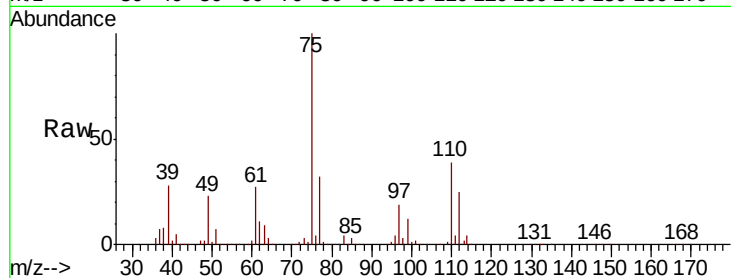




#59
 1,2,3-Trichloropropane
 Concen: 178.827 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VV016094.D
 Acq: 18 May 2020 12:02

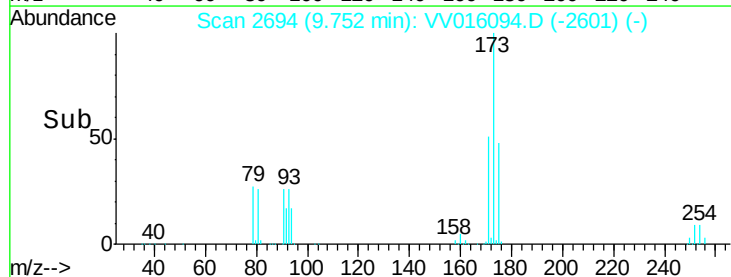
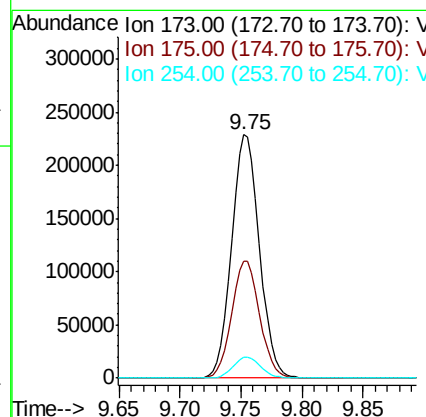
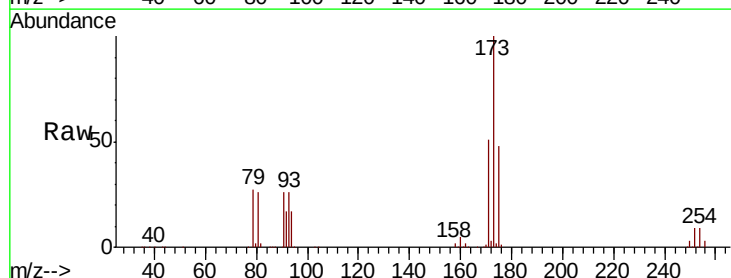
Instrument :
 MSVOA_V
 ClientSampled :

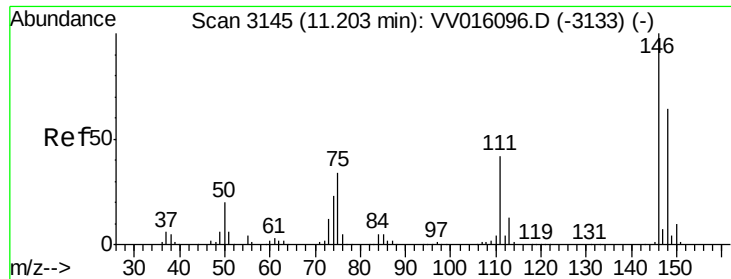
Tot Ion: 75 Resp: 599630
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.5 38.3



#61
 Bromoform
 Concen: 186.158 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VV016094.D
 Acq: 18 May 2020 12:02

Tgt Ion: 173 Resp: 365184
 Ion Ratio Lower Upper
 173 100
 175 48.2 38.3 57.5
 254 8.7 6.8 10.2





#62

1,3-Dichlorobenzene

Concen: 180.804 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV016094.D

Acq: 18 May 2020 12:02

Instrument :

MSVOA_V

ClientSampled :

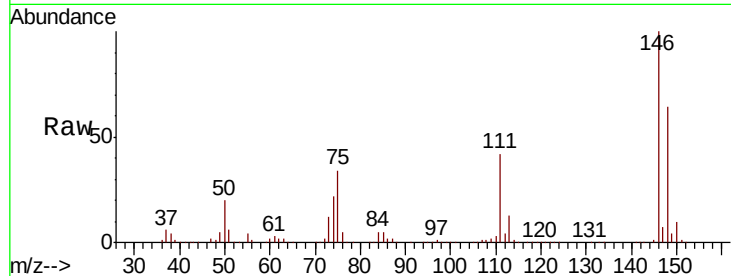
Tot Ion:146 Resp: 1077995

Ion Ratio Lower Upper

146 100

111 42.0 29.1 54.1

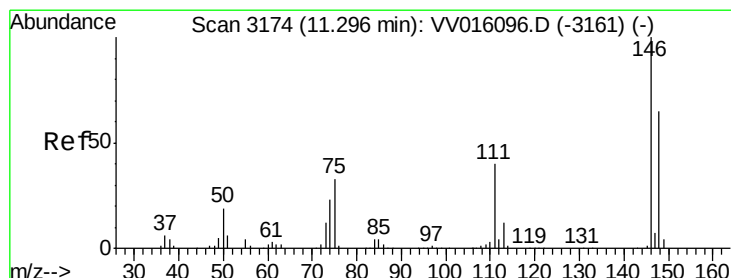
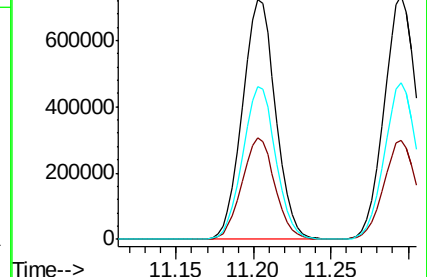
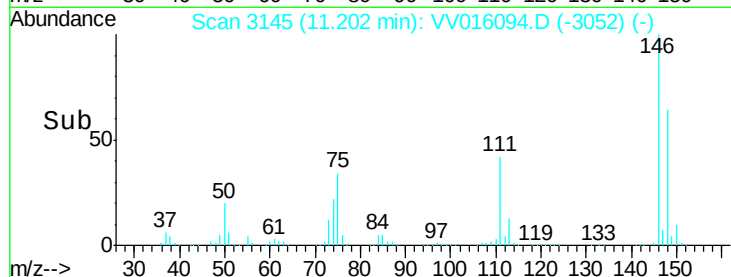
148 63.6 44.5 82.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 179.717 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV016094.D

Acq: 18 May 2020 12:02

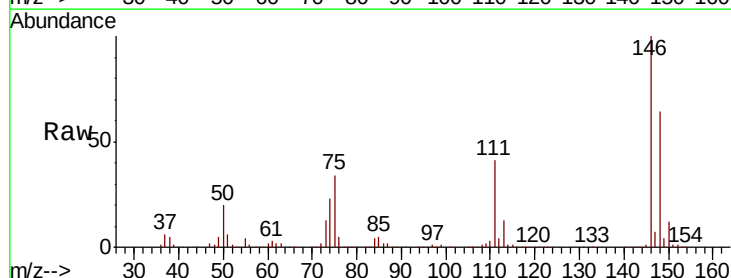
Tgt Ion:146 Resp: 1091624

Ion Ratio Lower Upper

146 100

111 40.6 28.1 52.3

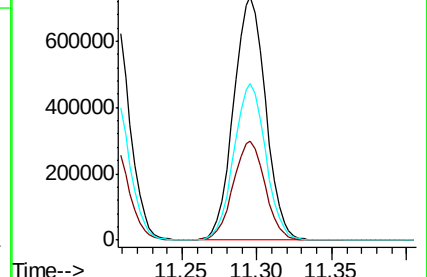
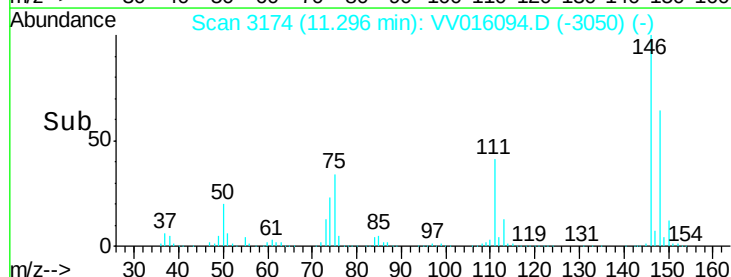
148 64.2 45.7 84.9

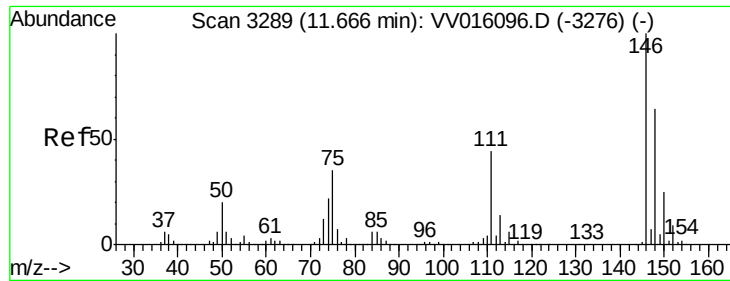


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

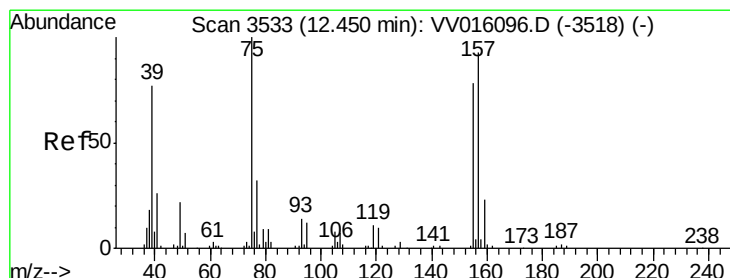
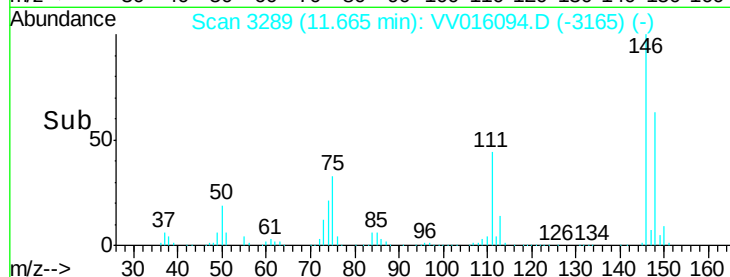
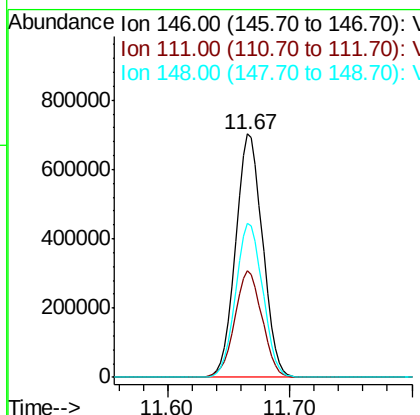
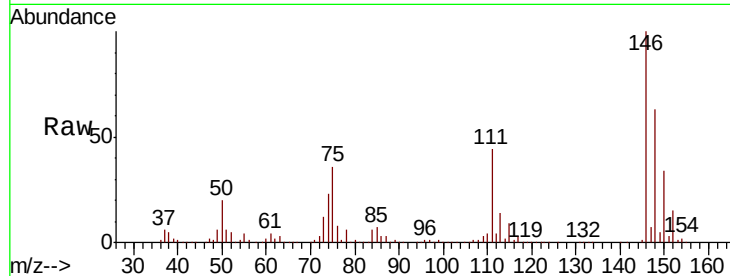




#65
 1,2-Dichlorobenzene
 Concen: 177.217 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV016094.D
 Acq: 18 May 2020 12:02

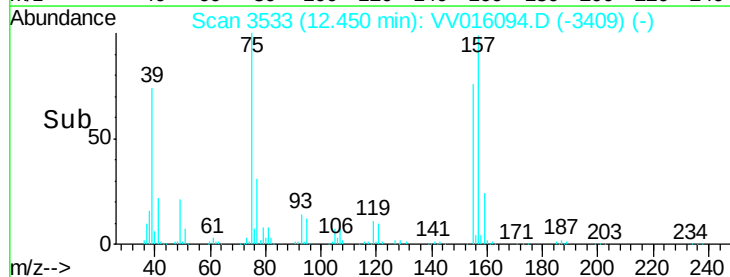
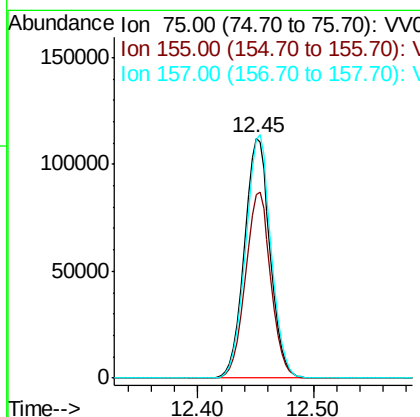
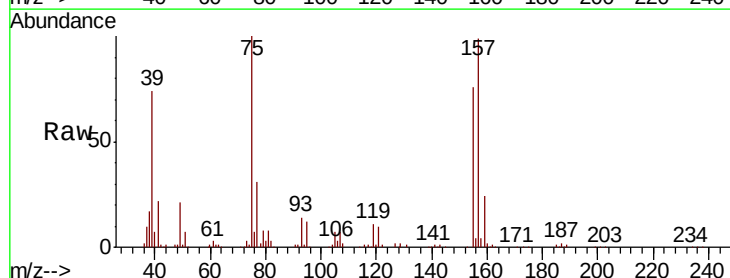
Instrument :
 MSVOA_V
 ClientSampleId :

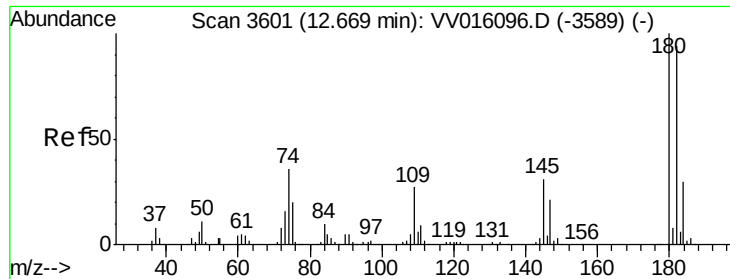
Tot Ion:146 Resp: 1074161
 Ion Ratio Lower Upper
 146 100
 111 43.8 35.2 52.8
 148 63.2 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 149.394 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV016094.D
 Acq: 18 May 2020 12:02

Tgt Ion: 75 Resp: 173092
 Ion Ratio Lower Upper
 75 100
 155 76.5 62.1 93.1
 157 99.3 74.6 111.8

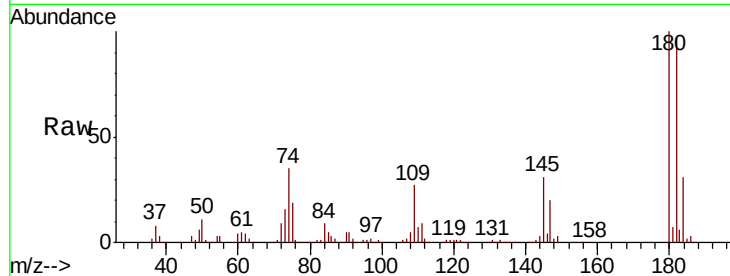




#67
 1,3,5-Trichlorobenzene
 Concen: 197.762 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV016094.D
 Acq: 18 May 2020 12:02

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	75.8	113.6
184	30.6	24.3	36.5
145	31.5	25.0	37.6



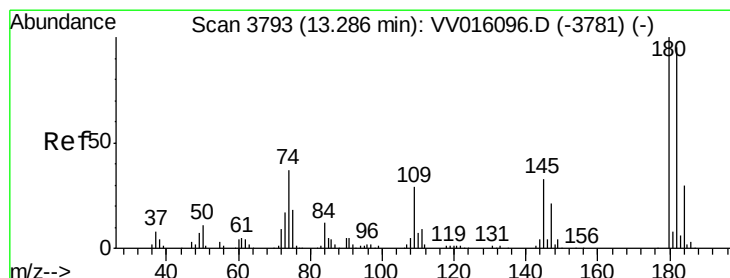
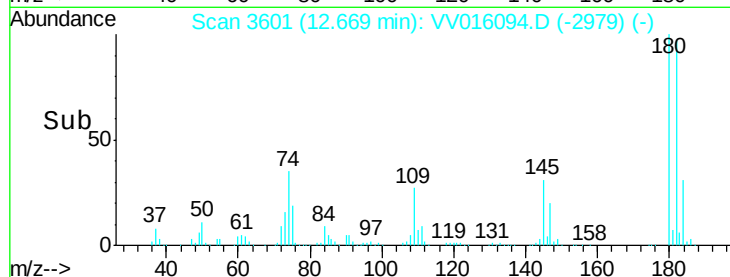
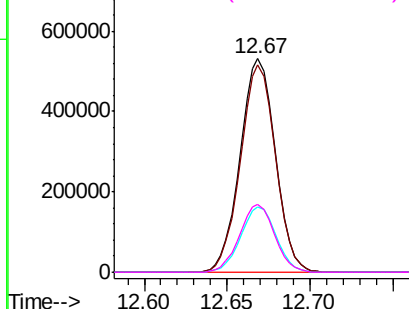
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

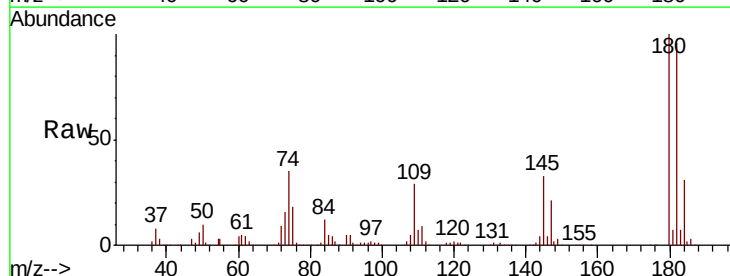
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 204.852 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV016094.D
 Acq: 18 May 2020 12:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.2	114.4
145	32.5	26.2	39.2

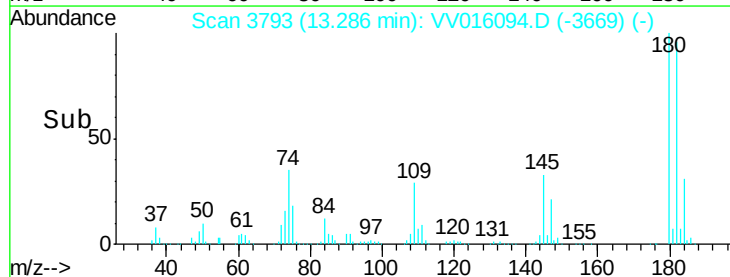
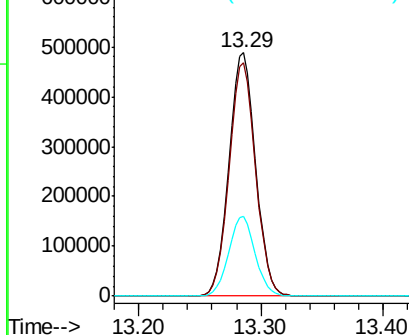


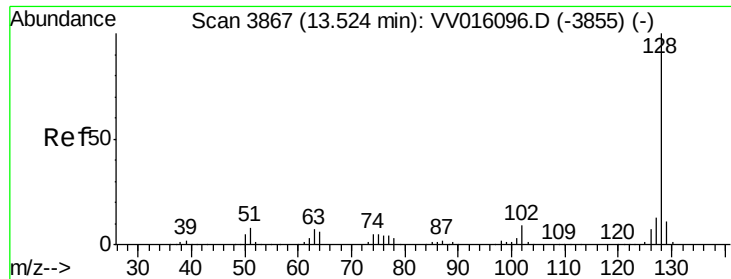
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 168.199 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV016094.D

Acq: 18 May 2020 12:02

Instrument :

MSVOA_V

ClientSampleId :

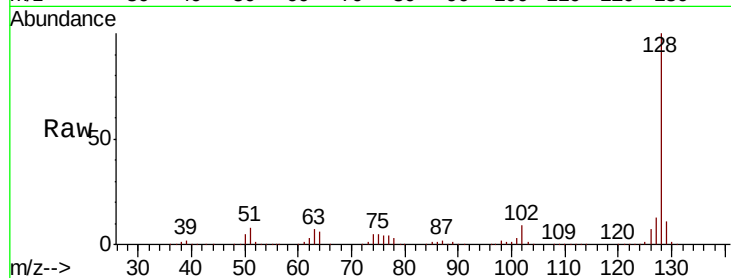
Tot Ion:128 Resp: 2252642

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

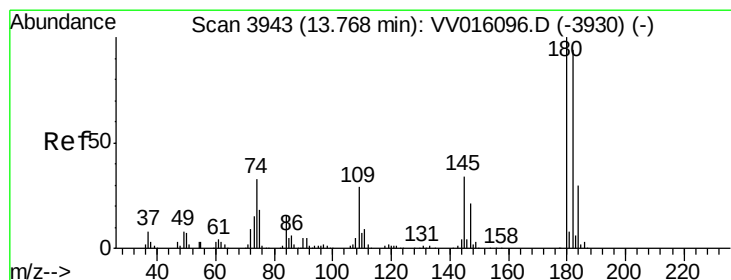
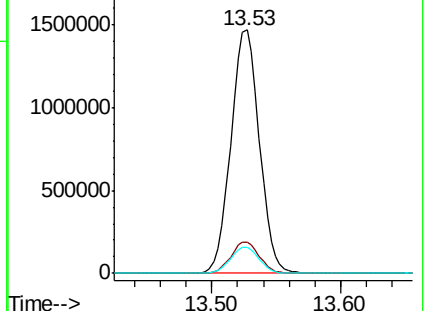
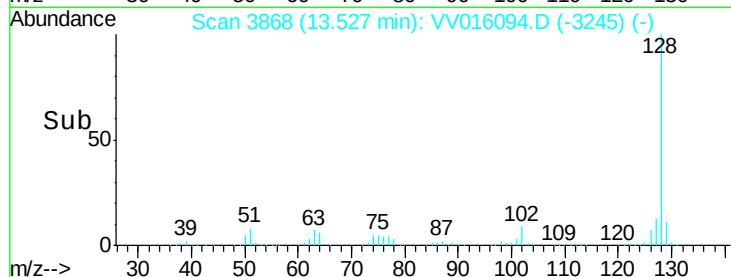
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 193.456 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV016094.D

Acq: 18 May 2020 12:02

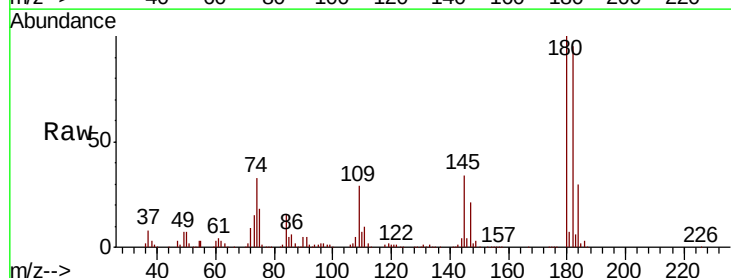
Tgt Ion:180 Resp: 725171

Ion Ratio Lower Upper

180 100

182 95.0 75.3 112.9

145 34.4 27.4 41.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

