

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040320\
 Data File : VV015395.D
 Acq On : 03 Apr 2020 11:34
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB78

Quant Time: Apr 04 00:07:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM040120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 03 15:53:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	697422	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	678929	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	333248	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	282059	45.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.20%
7) Chloroethane-d5	1.58	69	244662	45.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.60%
11) 1,1-Dichloroethene-d2	2.12	63	535613	47.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.84%
21) 2-Butanone-d5	3.94	46	336021	101.10	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.10%
24) Chloroform-d	4.38	84	489328	47.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	5.06	65	304199	47.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.60%
32) Benzene-d6	5.08	84	981247	46.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.86%
36) 1,2-Dichloropropane-d6	6.09	67	293221	47.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.14%
41) Toluene-d8	7.34	98	966589	48.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.70%
43) trans-1,3-Dichloropropene-	7.64	79	156804	46.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.08%
47) 2-Hexanone-d5	8.12	63	257037	91.30	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.30%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	421843	48.09	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.18%
64) 1,2-Dichlorobenzene-d4	11.65	152	369147	48.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	273623	43.384	ug/L	98
3) Chloromethane	1.25	50	251343	42.286	ug/L	98
5) Vinyl chloride	1.32	62	295664	47.490	ug/L	100
6) Bromomethane	1.53	94	189415	46.024	ug/L	96
8) Chloroethane	1.60	64	165797	38.765	ug/L	99
9) Trichlorofluoromethane	1.76	101	418213	35.529	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	231289	43.970	ug/L	99
12) 1,1-Dichloroethene	2.13	96	221922	44.458	ug/L	89
13) Acetone	2.22	43	261486	119.856	ug/L	97
14) Carbon disulfide	2.31	76	572122	41.442	ug/L	99
15) Methyl Acetate	2.46	43	204590	42.819	ug/L	97
16) Methylene chloride	2.52	84	225954	42.803	ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	209332	43.931	ug/L	97
18) Methyl tert-butyl Ether	2.79	73	689599	43.900	ug/L	99
19) 1,1-Dichloroethane	3.21	63	371851	42.890	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	237196	43.503	ug/L #	97
22) 2-Butanone	4.02	43	329456	102.073	ug/L	98

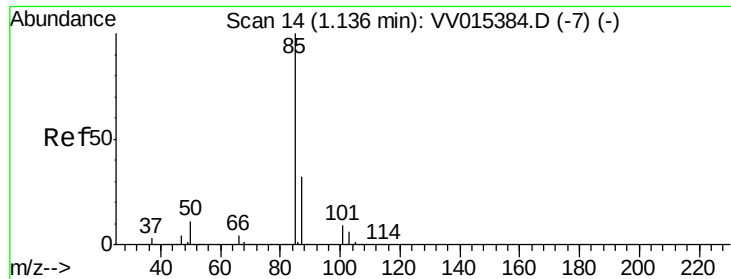
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040320\
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 Quant Title : VOC Analysis
 QLast Update : Fri Apr 03 15:53:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	120974	43.931	ug/L	97
25) Chloroform	4.41	83	414400	44.078	ug/L	100
27) 1,2-Dichloroethane	5.16	62	306466	43.281	ug/L	99
29) Cyclohexane	4.70	56	348519	43.146	ug/L	100
30) 1,1,1-Trichloroethane	4.64	97	376005	43.098	ug/L	99
31) Carbon tetrachloride	4.85	117	326290	43.744	ug/L	100
33) Benzene	5.13	78	897748	44.675	ug/L	100
34) Trichloroethene	5.94	95	235060	44.177	ug/L	100
35) Methylcyclohexane	6.15	83	387402	44.440	ug/L	97
37) 1,2-Dichloropropane	6.20	63	212946	43.177	ug/L	100
38) Bromodichloromethane	6.53	83	315718	43.665	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	366238	44.188	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	609044	87.843	ug/L	100
42) Toluene	7.41	91	995000	44.553	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	356857	44.309	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	229970	44.218	ug/L	98
46) Tetrachloroethene	8.00	164	178045	46.675	ug/L	96
48) 2-Hexanone	8.16	43	485461	92.464	ug/L	99
49) Dibromochloromethane	8.27	129	254564	44.694	ug/L	99
50) 1,2-Dibromoethane	8.37	107	249654	44.968	ug/L	99
51) Chlorobenzene	8.90	112	660168	45.103	ug/L	98
52) Ethylbenzene	9.03	91	1113872	44.436	ug/L	99
53) m,p-Xylene	9.16	106	443427	45.940	ug/L	100
54) o-xylene	9.57	106	438775	45.382	ug/L	100
55) Styrene	9.58	104	744240	46.290	ug/L	99
56) Isopropylbenzene	9.96	105	1126076	44.962	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	364527	43.658	ug/L	100
59) 1,2,3-Trichloropropane	10.30	75	295369	44.353	ug/L	99
61) Bromoform	9.76	173	164957	44.315	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	510273	45.483	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	515484	45.304	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	511800	44.727	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	92464	40.923	ug/L	94
67) 1,3,5-Trichlorobenzene	12.67	180	343647	46.219	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	319441	47.036	ug/L	97
69) Naphthalene	13.53	128	1190326	45.845	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	320962	45.879	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 43.384 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV015395.D

Acq: 03 Apr 2020 11:34

Instrument :

MSVOA_V

ClientSampleId :

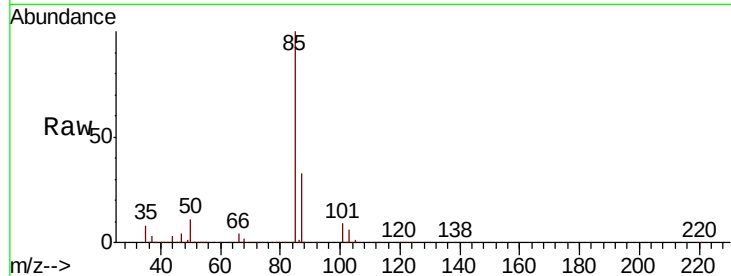
BFB78

Tot Ion: 85 Resp: 273623

Ion Ratio Lower Upper

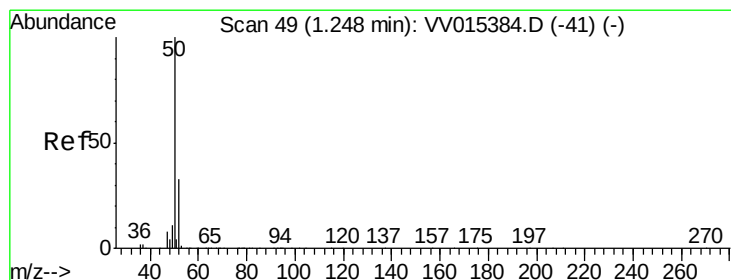
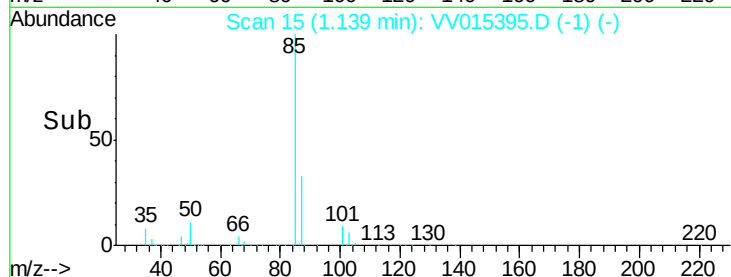
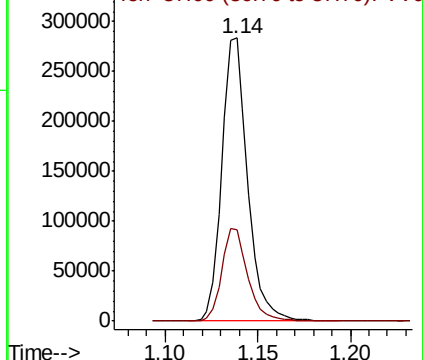
85 100

87 32.9 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 42.286 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV015395.D

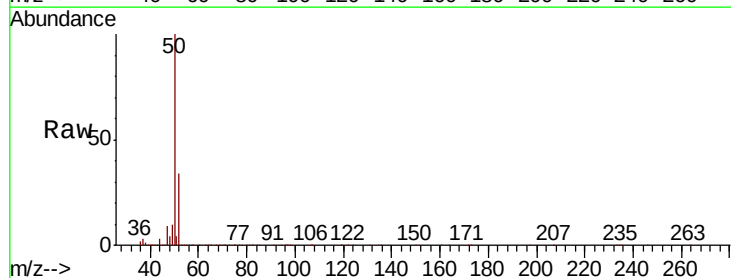
Acq: 03 Apr 2020 11:34

Tgt Ion: 50 Resp: 251343

Ion Ratio Lower Upper

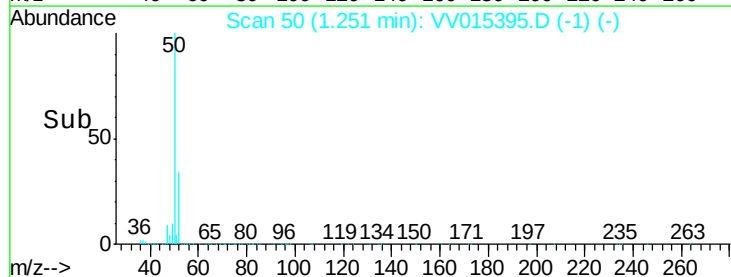
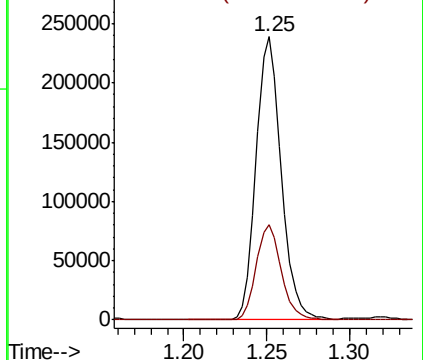
50 100

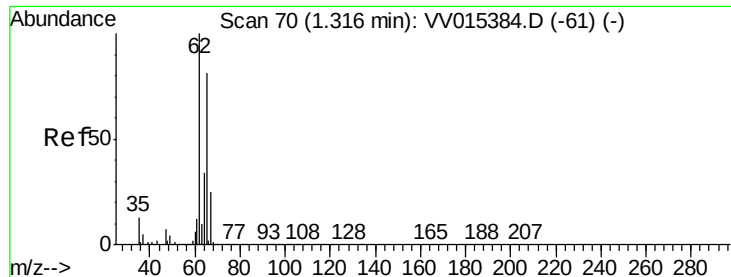
52 33.8 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 47.490 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015395.D

Acq: 03 Apr 2020 11:34

Instrument :

MSVOA_V

ClientSampleId :

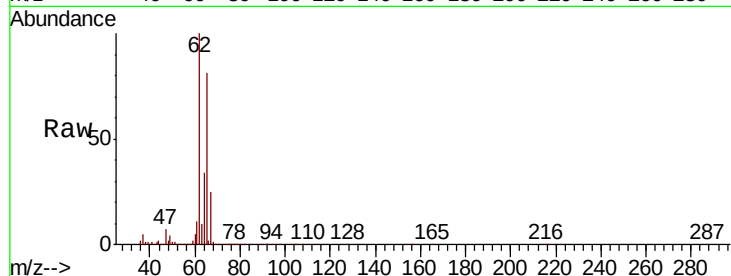
BFB78

Tot Ion: 62 Resp: 295664

Ion Ratio Lower Upper

62 100

64 33.8 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

300000

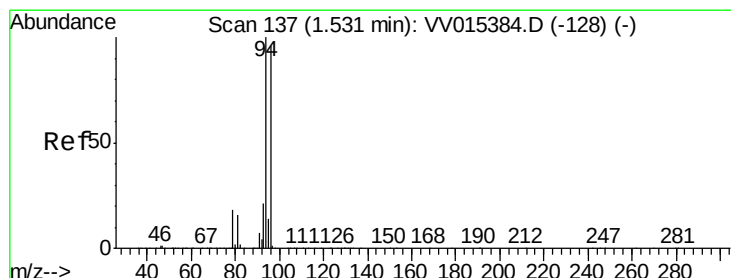
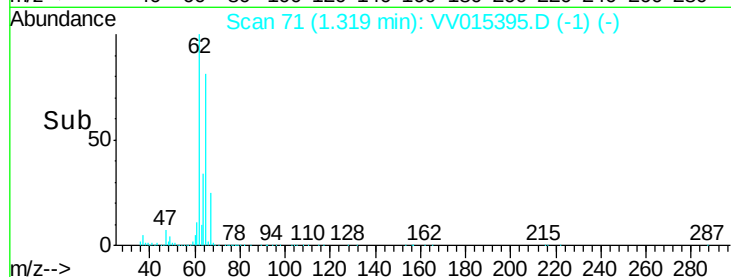
200000

100000

0

Time-->

1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 46.024 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV015395.D

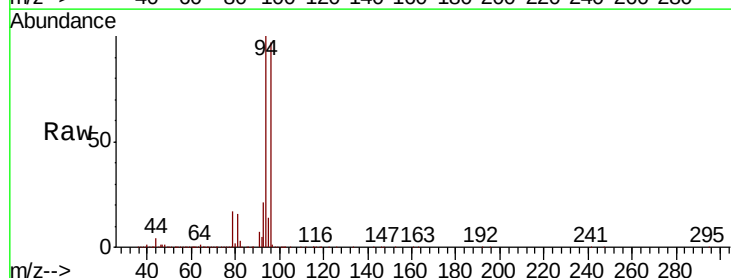
Acq: 03 Apr 2020 11:34

Tgt Ion: 94 Resp: 189415

Ion Ratio Lower Upper

94 100

96 96.8 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

150000

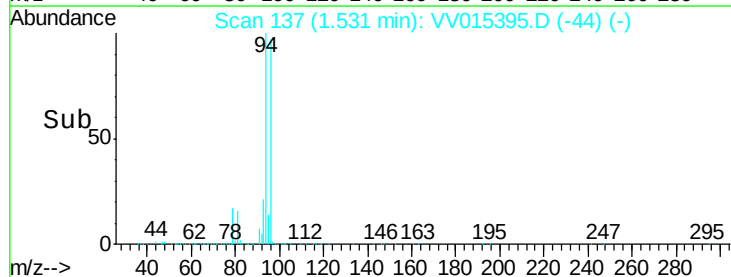
100000

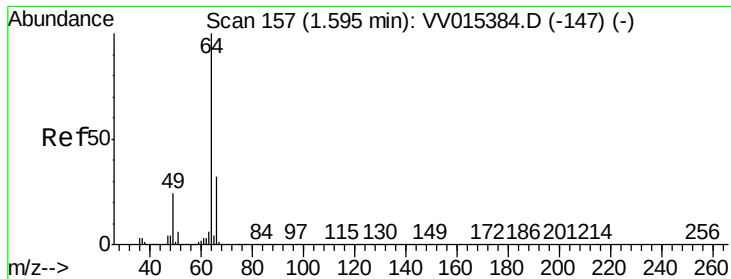
50000

0

Time-->

1.50 1.55 1.60





#8

Chloroethane

Concen: 38.765 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV015395.D

Acq: 03 Apr 2020 11:34

Instrument :

MSVOA_V

ClientSampleId :

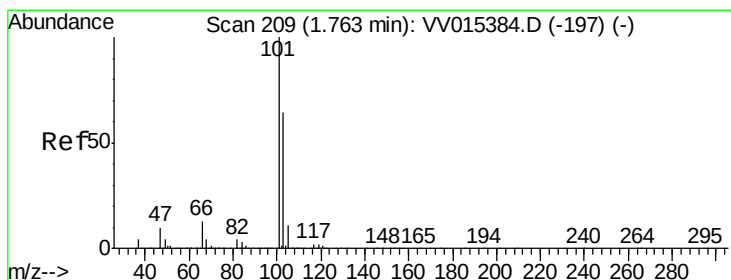
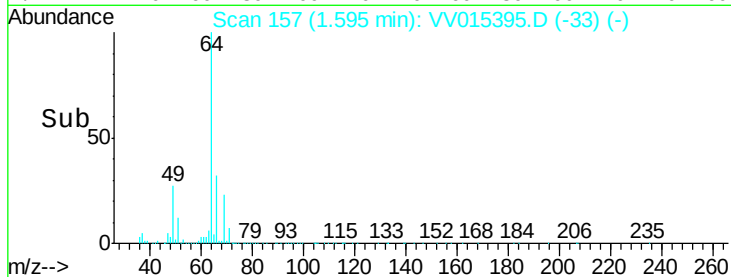
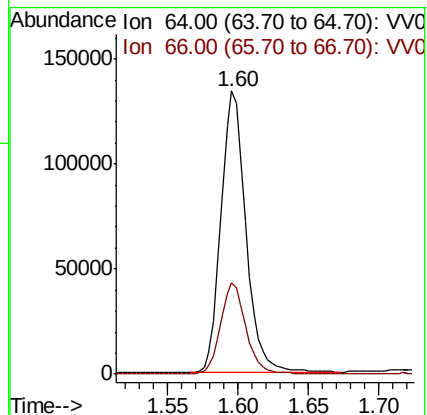
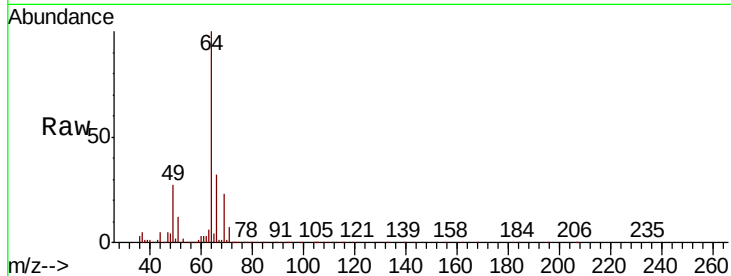
BFB78

Tot Ion: 64 Resp: 165797

Ion Ratio Lower Upper

64 100

66 32.2 22.3 41.3



#9

Trichlorofluoromethane

Concen: 35.529 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV015395.D

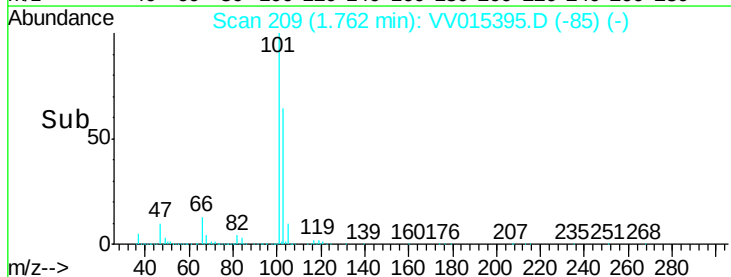
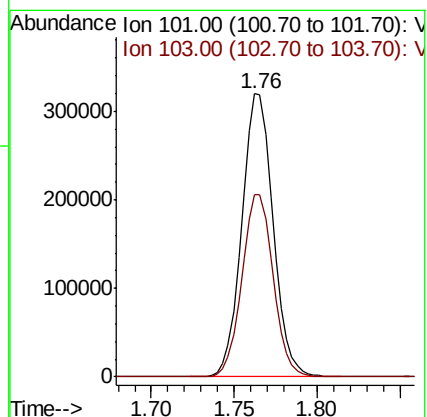
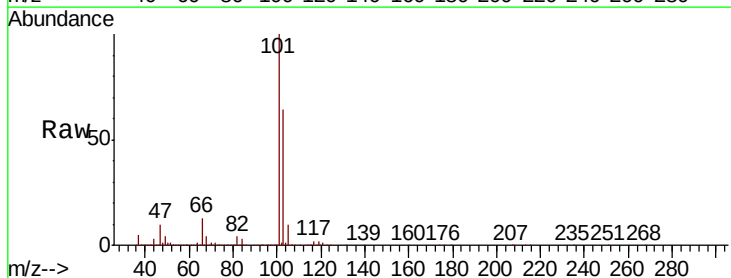
Acq: 03 Apr 2020 11:34

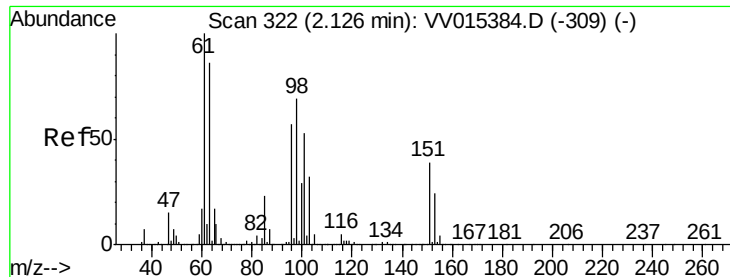
Tgt Ion: 101 Resp: 418213

Ion Ratio Lower Upper

101 100

103 64.5 52.3 78.5





#10

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

Concen: 43.970 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015395.D

Acq: 03 Apr 2020 11:34

Instrument :

MSVOA_V

ClientSampleId :

BFB78

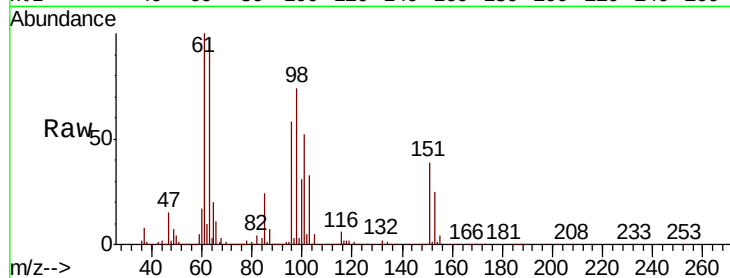
Tot Ion:101 Resp: 231289

Ion Ratio Lower Upper

101 100

85 44.6 36.1 54.1

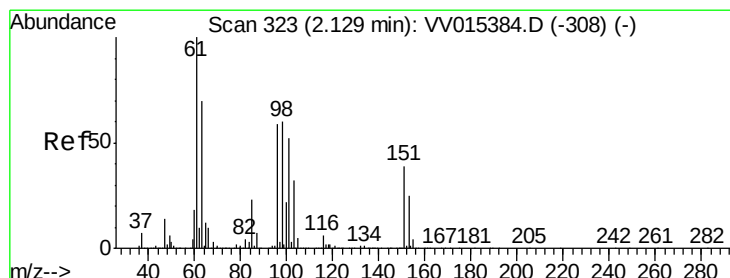
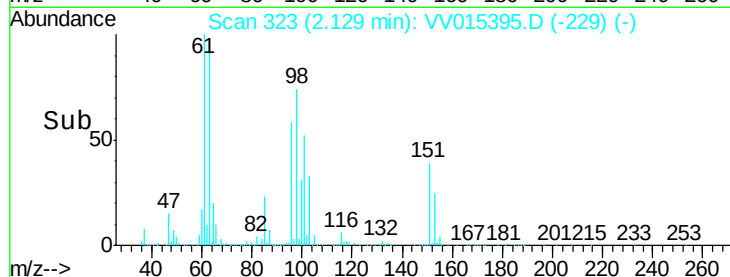
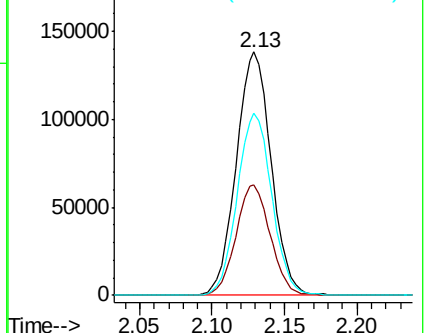
151 74.2 58.2 87.4



Abundance Ion 101.00 (100.70 to 101.70): VV015384.D (-309) (-)

Ion 85.00 (84.70 to 85.70): VV015384.D (-309) (-)

Ion 151.00 (150.70 to 151.70): VV015384.D (-309) (-)



#12

1,1-Dichloroethene

Concen: 44.458 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV015395.D

Acq: 03 Apr 2020 11:34

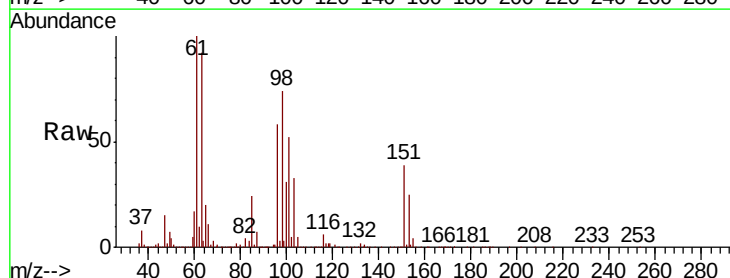
Tgt Ion: 96 Resp: 221922

Ion Ratio Lower Upper

96 100

61 171.7 118.0 219.2

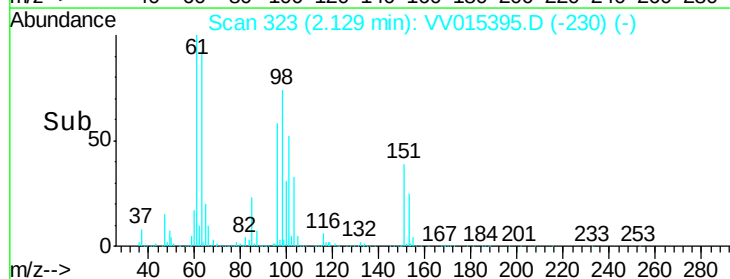
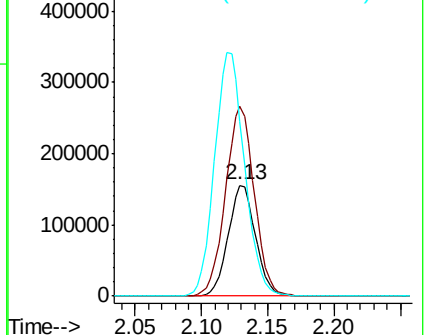
63 158.4 92.3 171.3

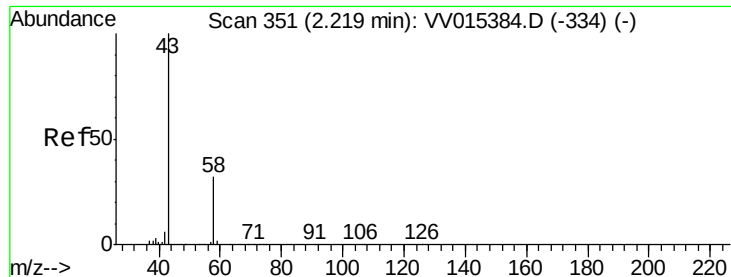


Abundance Ion 96.00 (95.70 to 96.70): VV015384.D (-308) (-)

Ion 61.00 (60.70 to 61.70): VV015384.D (-308) (-)

Ion 63.00 (62.70 to 63.70): VV015384.D (-308) (-)





#13

Acetone

Concen: 119.856 ug/L

RT: 2.22 min Scan# 352

Delta R.T. 0.00 min

Lab File: VV015395.D

Acq: 03 Apr 2020 11:34

Instrument :

MSVOA_V

ClientSampleId :

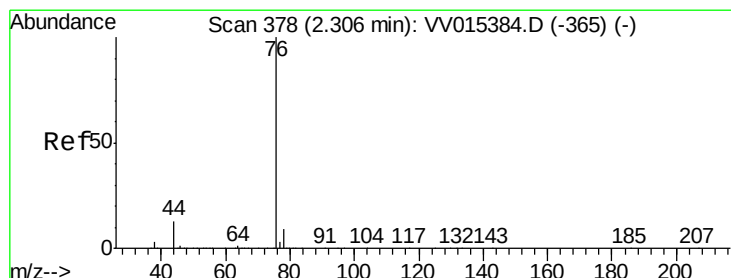
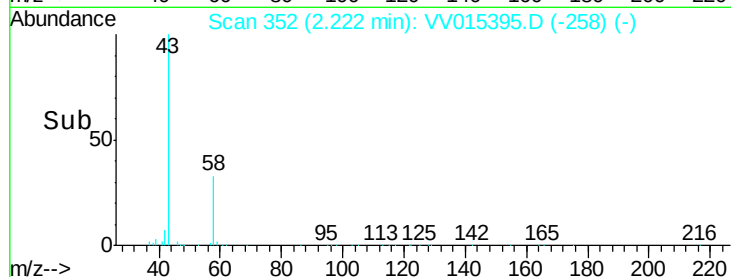
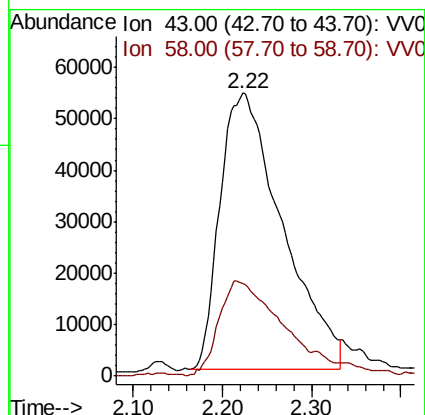
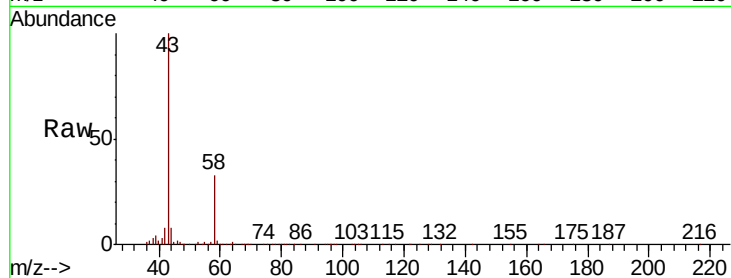
BFB78

Tot Ion: 43 Resp: 261486

Ion Ratio Lower Upper

43 100

58 32.2 0.0 68.2



#14

Carbon disulfide

Concen: 41.442 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV015395.D

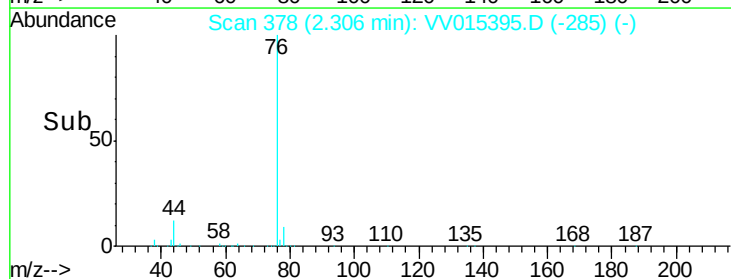
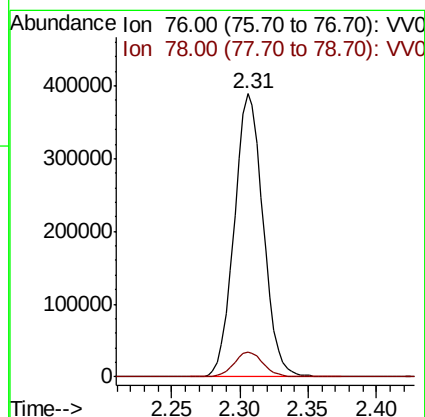
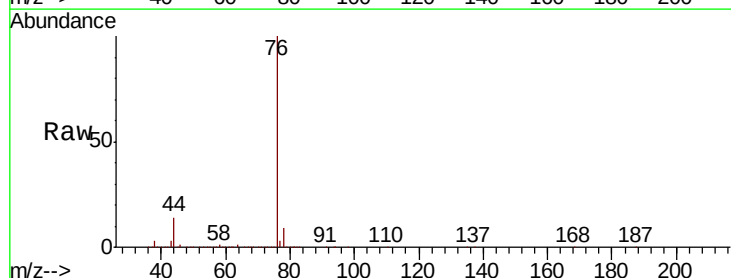
Acq: 03 Apr 2020 11:34

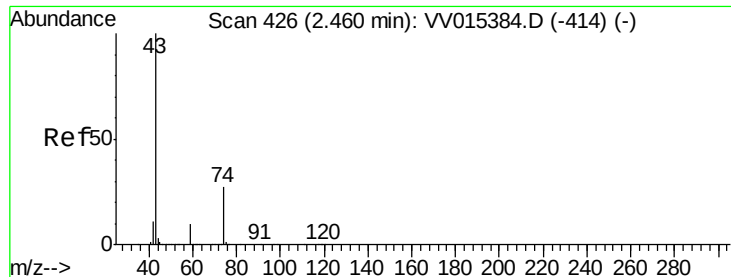
Tgt Ion: 76 Resp: 572122

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2

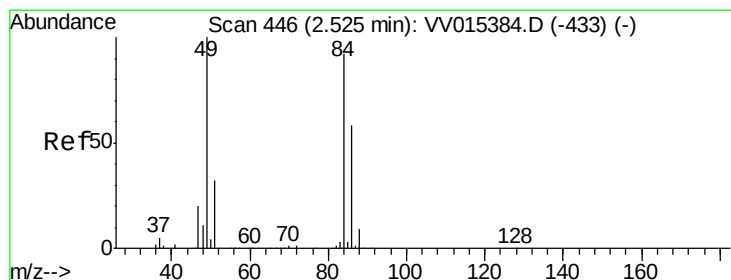
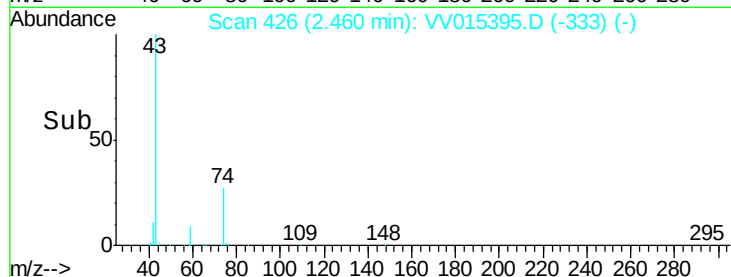
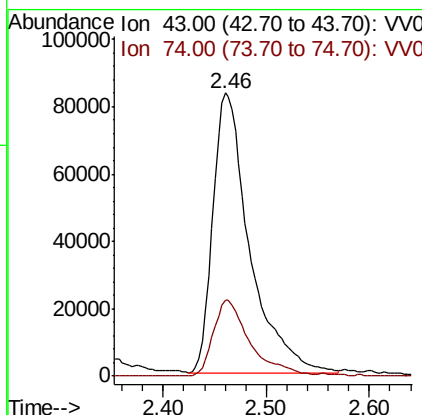
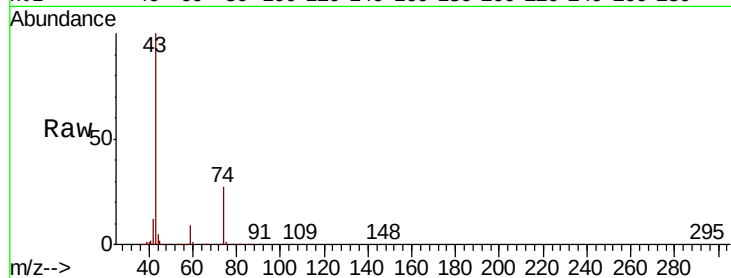




#15
Methvl Acetate
Concen: 42.819 ug/L
RT: 2.46 min Scan# 426
Delta R.T. -0.00 min
Lab File: VV015395.D
Acq: 03 Apr 2020 11:34

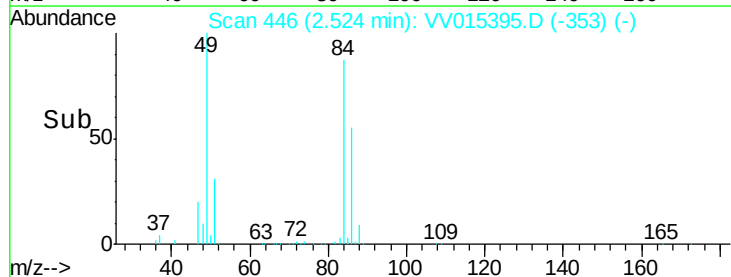
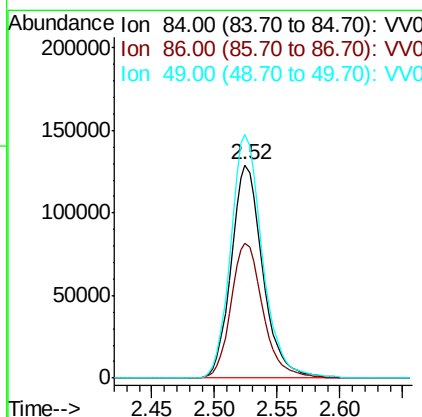
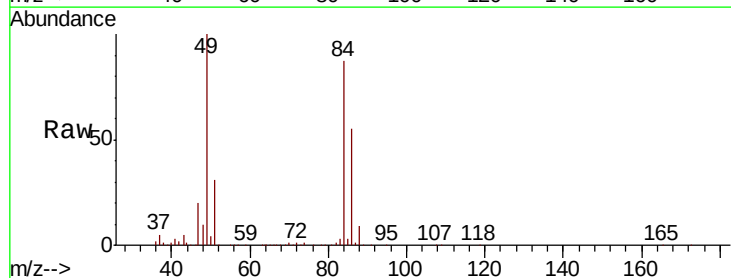
Instrument :
MSVOA_V
ClientSampleId :
BFB78

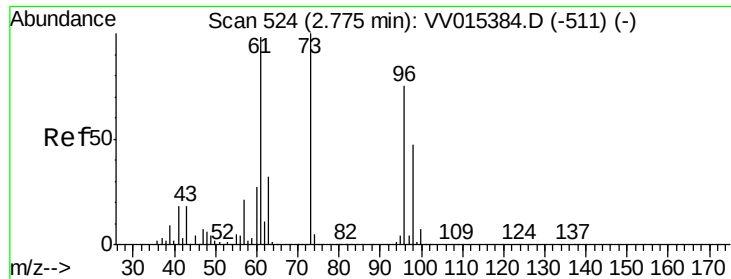
Tot Ion: 43 Resp: 204590
Ion Ratio Lower Upper
43 100
74 27.4 20.9 31.3



#16
Methylene chloride
Concen: 42.803 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV015395.D
Acq: 03 Apr 2020 11:34

Tgt Ion: 84 Resp: 225954
Ion Ratio Lower Upper
84 100
86 63.4 45.1 83.9
49 114.4 81.2 150.8

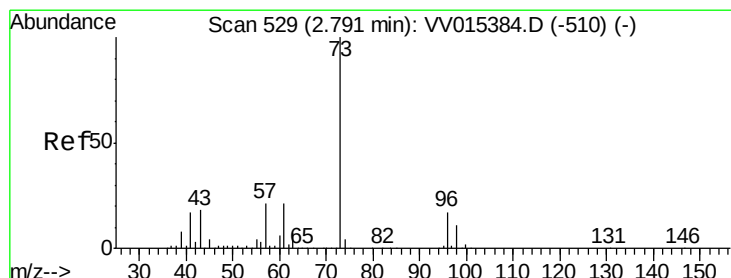
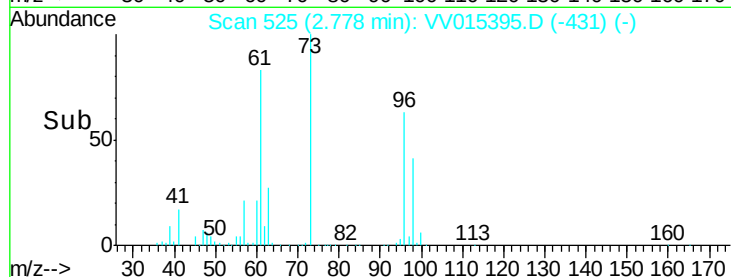
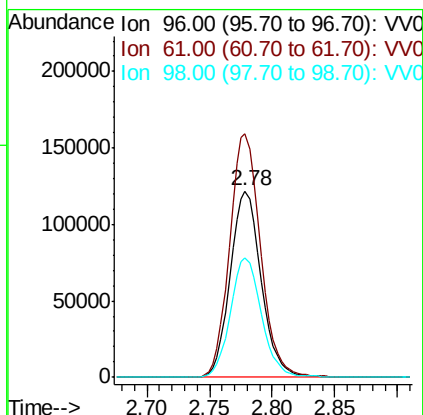
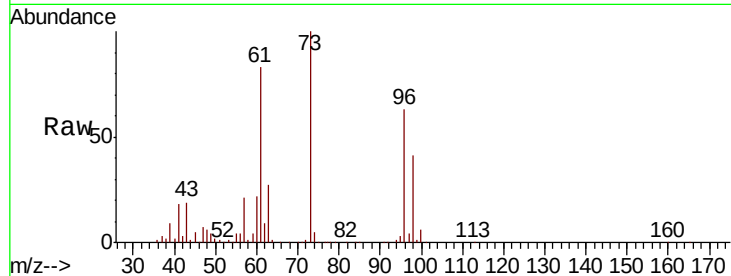




#17
trans-1,2-Dichloroethene
Concen: 43.931 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV015395.D
Acq: 03 Apr 2020 11:34

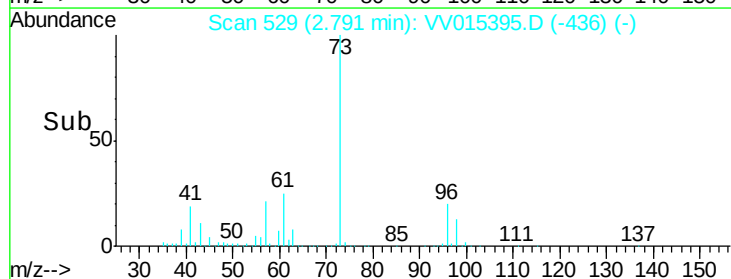
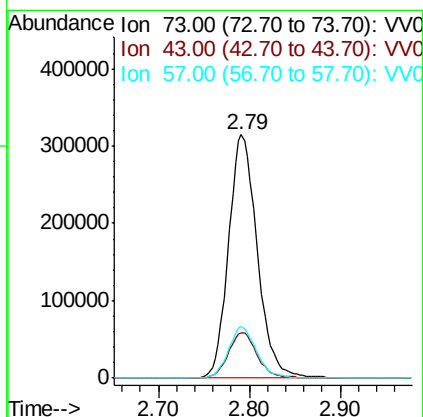
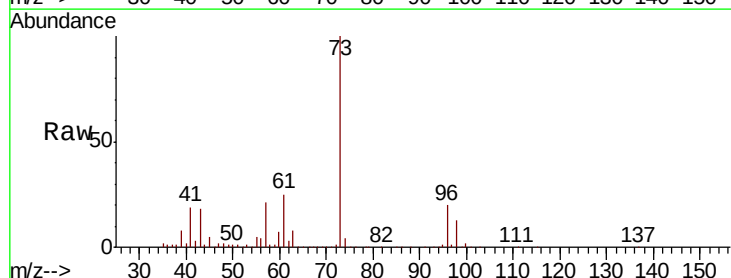
Instrument :
MSVOA_V
ClientSampled :
BFB78

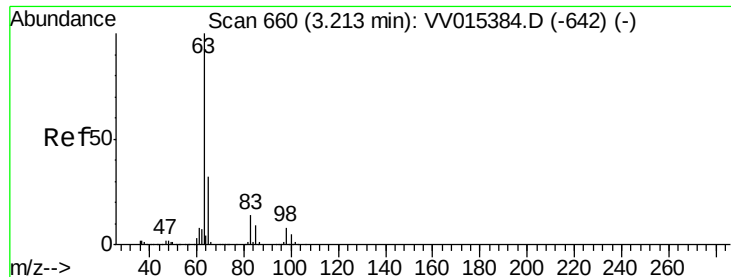
Tot Ion	Ratio	Lower	Upper
96	100		
61	130.6	95.2	176.8
98	63.9	45.1	83.9



#18
Methyl tert-butyl Ether
Concen: 43.900 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV015395.D
Acq: 03 Apr 2020 11:34

Tgt Ion	Ratio	Lower	Upper
73	100		
43	18.4	15.4	23.0
57	20.5	16.3	24.5

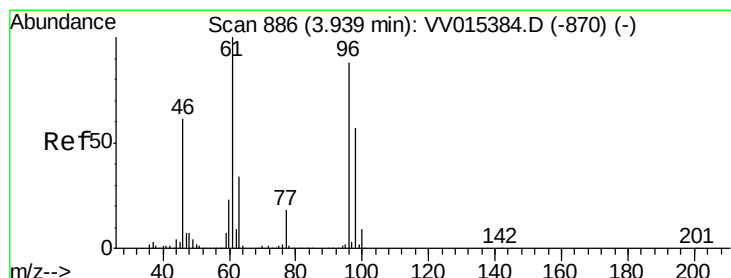
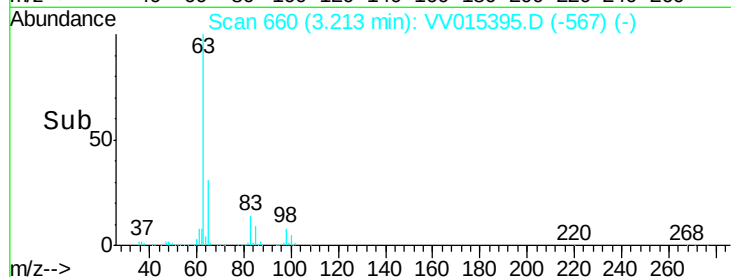
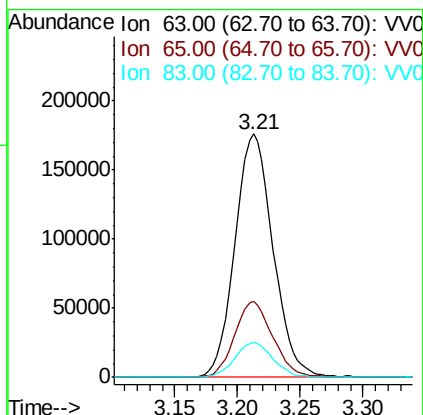
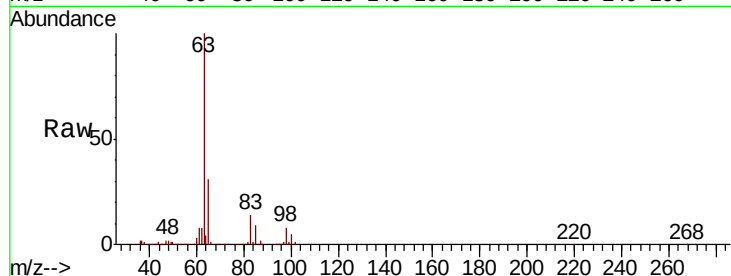




#19
 1,1-Dichloroethane
 Concen: 42.890 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. -0.00 min
 Lab File: VV015395.D
 Acq: 03 Apr 2020 11:34

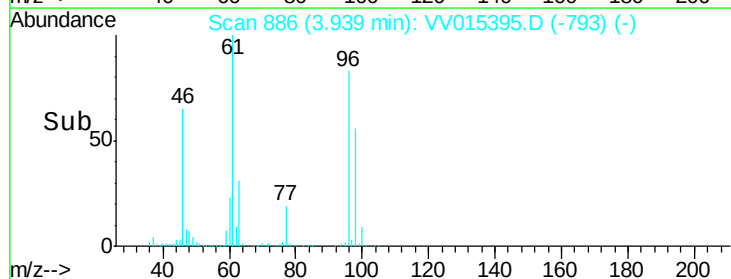
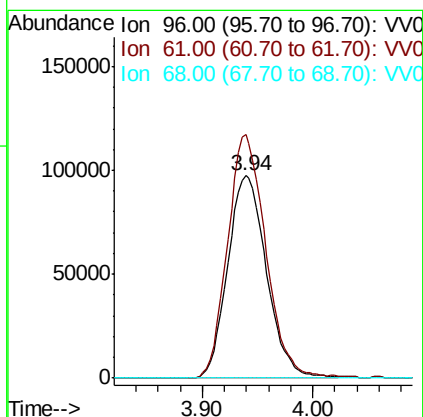
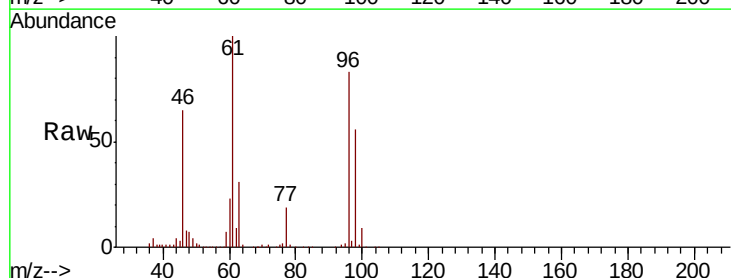
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB78

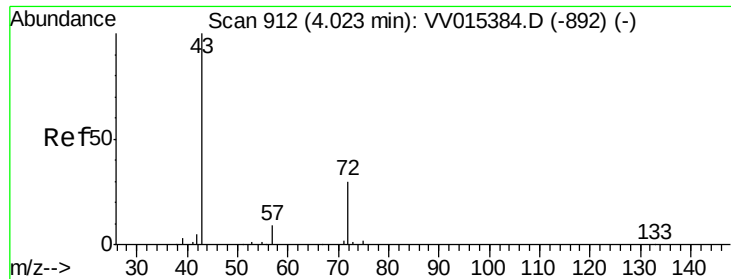
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	22.3	41.5
83	14.3	10.2	19.0



#20
 cis-1,2-Dichloroethene
 Concen: 43.503 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: VV015395.D
 Acq: 03 Apr 2020 11:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	120.2	86.4	160.4
68	0.1	0.1	0.3#





#22

2-Butanone

Concen: 102.073 ug/L

RT: 4.02 min Scan# 911

Delta R.T. -0.00 min

Lab File: VV015395.D

Acq: 03 Apr 2020 11:34

Instrument :

MSVOA_V

ClientSampleId :

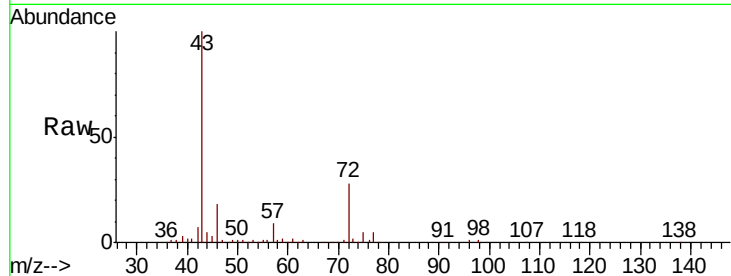
BFB78

Tot Ion: 43 Resp: 329456

Ion Ratio Lower Upper

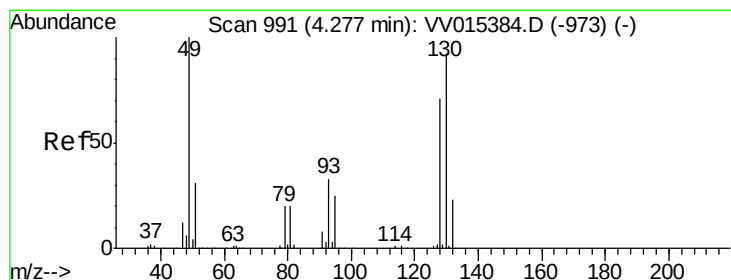
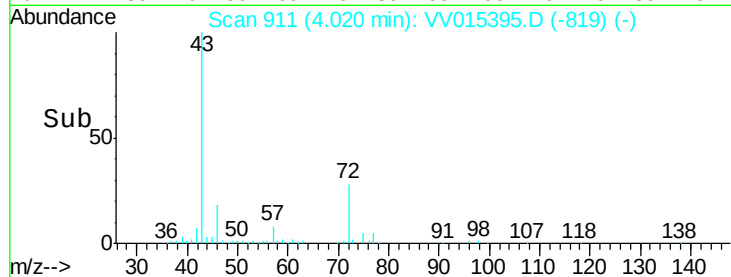
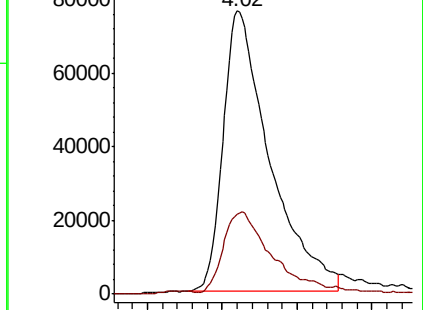
43 100

72 27.6 13.3 39.8



Abundance Ion 43.00 (42.70 to 43.70): VV015384.D (-892) (-)

Ion 72.00 (71.70 to 72.70): VV015384.D (-892) (-)



#23

Bromochloromethane

Concen: 43.931 ug/L

RT: 4.28 min Scan# 991

Delta R.T. -0.00 min

Lab File: VV015395.D

Acq: 03 Apr 2020 11:34

Tgt Ion:128 Resp: 120974

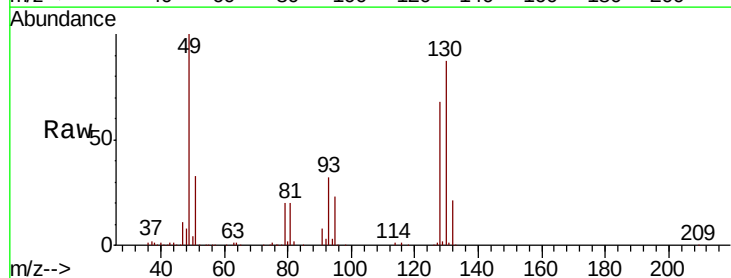
Ion Ratio Lower Upper

128 100

49 148.0 107.5 199.7

130 128.4 87.7 162.9

51 49.5 38.8 58.2

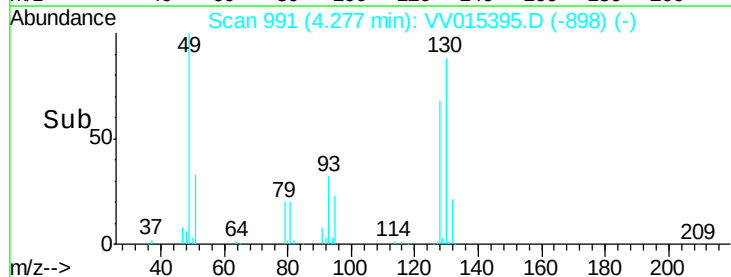
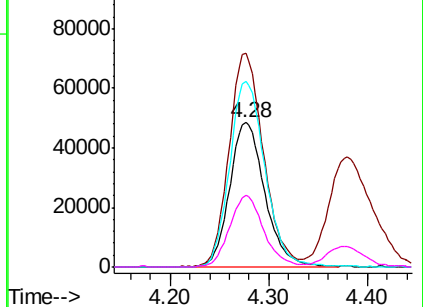


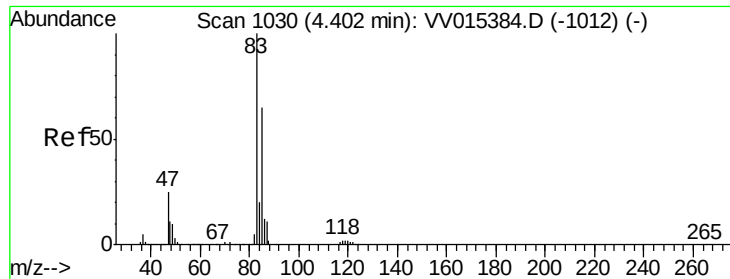
Abundance Ion 128.00 (127.70 to 128.70): VV015384.D (-973) (-)

Ion 49.00 (48.70 to 49.70): VV015384.D (-973) (-)

Ion 130.00 (129.70 to 130.70): VV015384.D (-973) (-)

Ion 51.00 (50.70 to 51.70): VV015384.D (-973) (-)

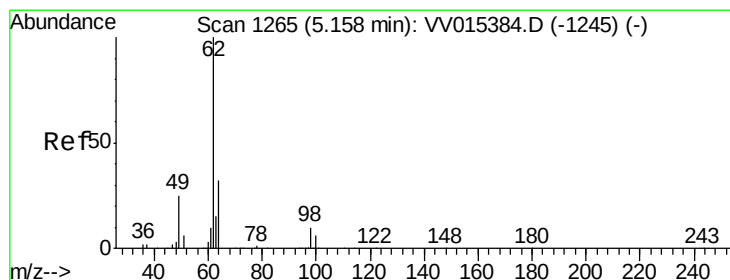
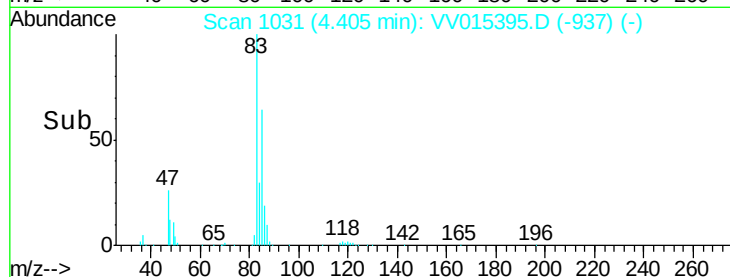
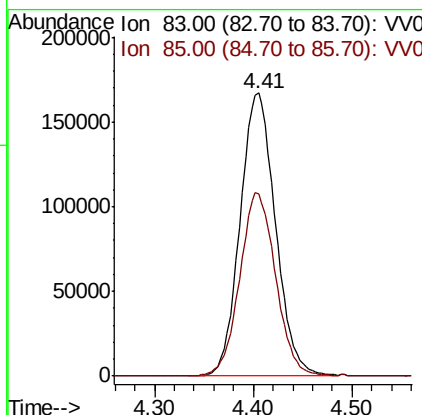
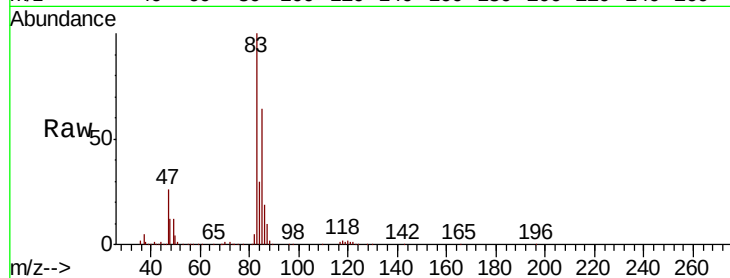




#25
Chloroform
Concen: 44.078 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV015395.D
Acq: 03 Apr 2020 11:34

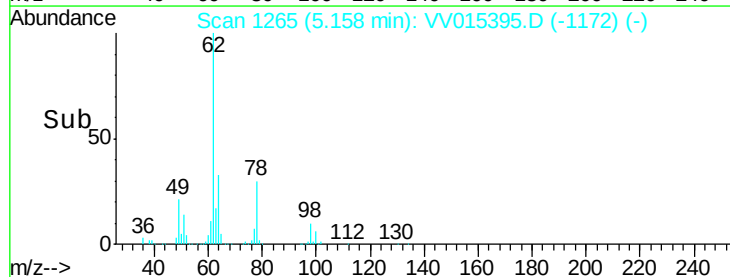
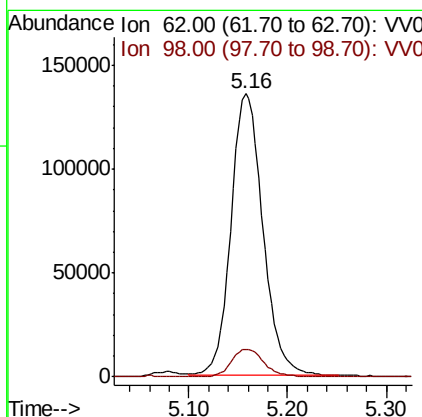
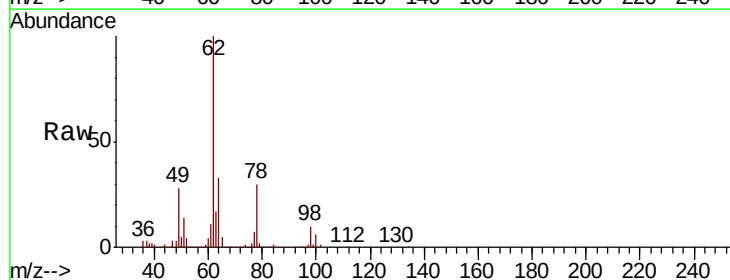
Instrument :
MSVOA_V
ClientSampleId :
BFB78

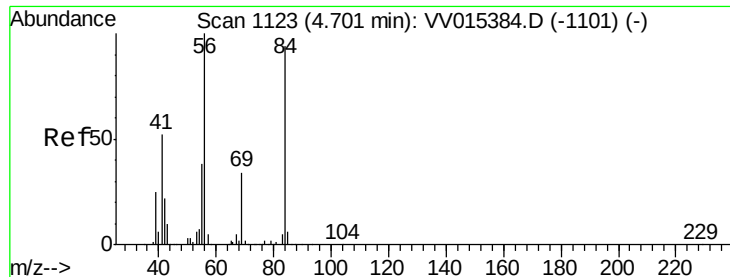
Tot Ion: 83 Resp: 414400
Ion Ratio Lower Upper
83 100
85 64.2 45.1 83.9



#27
1,2-Dichloroethane
Concen: 43.281 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VV015395.D
Acq: 03 Apr 2020 11:34

Tgt Ion: 62 Resp: 306466
Ion Ratio Lower Upper
62 100
98 9.6 7.9 11.9

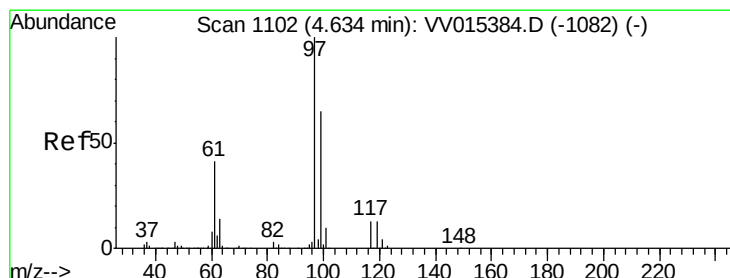
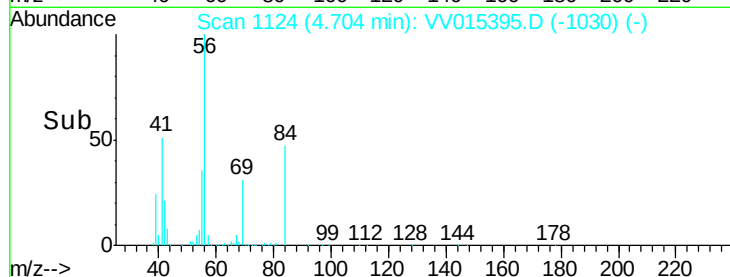
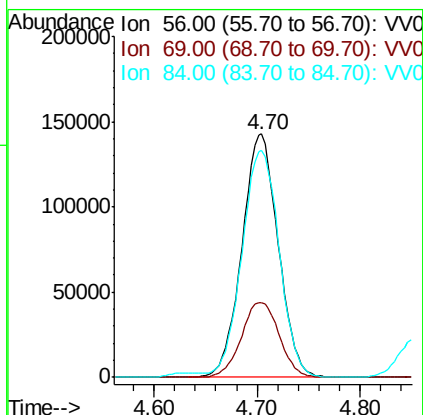
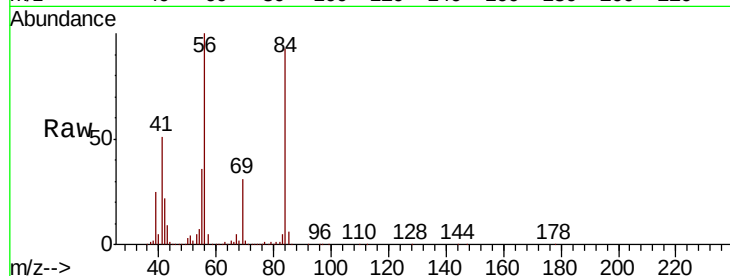




#29
Cyclohexane
Concen: 43.146 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VV015395.D
Acq: 03 Apr 2020 11:34

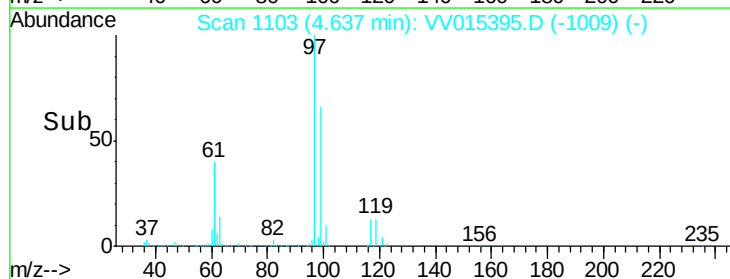
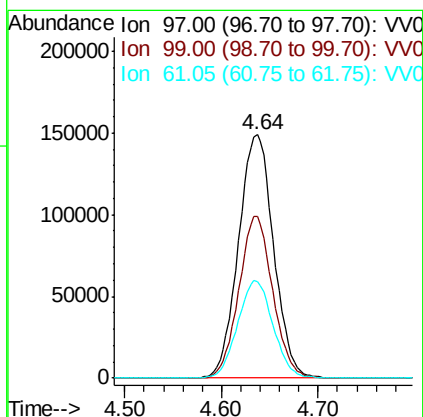
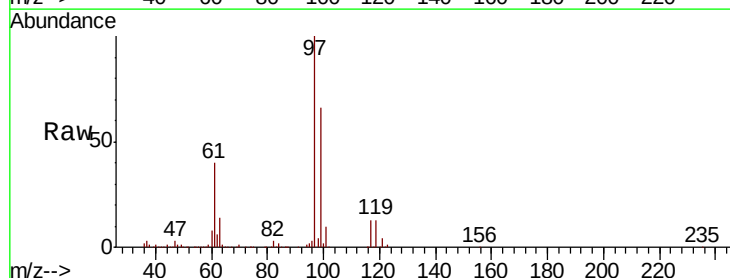
Instrument :
MSVOA_V
ClientSampled :
BFB78

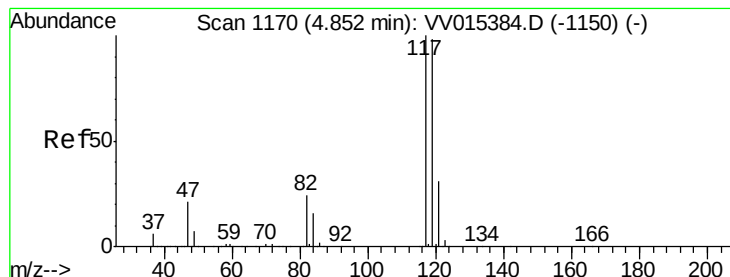
Tot Ion	56	Resp	348519
Ion Ratio	Lower	Upper	
56	100		
69	32.3	25.5	38.3
84	95.5	76.3	114.5



#30
1,1,1-Trichloroethane
Concen: 43.098 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV015395.D
Acq: 03 Apr 2020 11:34

Tgt Ion	97	Resp	376005
Ion Ratio	Lower	Upper	
97	100		
99	64.0	51.6	77.4
61	40.3	33.4	50.0





#31

Carbon tetrachloride

Concen: 43.744 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV015395.D

Acq: 03 Apr 2020 11:34

Instrument :

MSVOA_V

ClientSampleId :

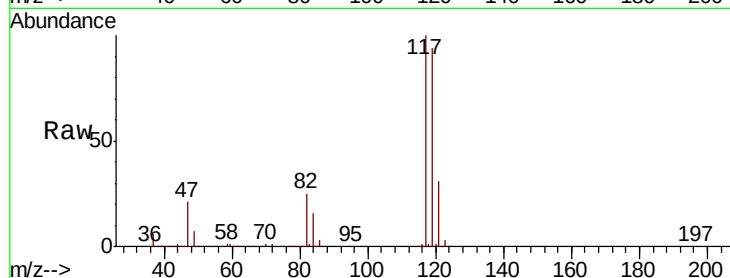
BFB78

Tot Ion:117 Resp: 326290

Ion Ratio Lower Upper

117 100

119 95.7 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.85

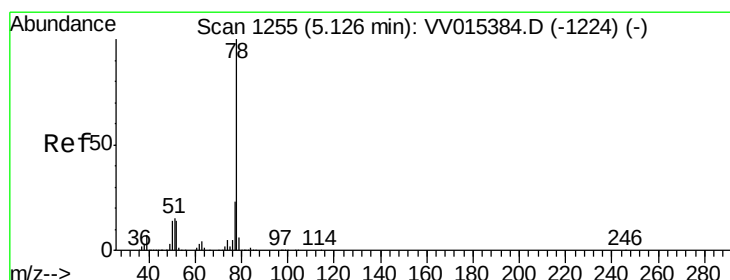
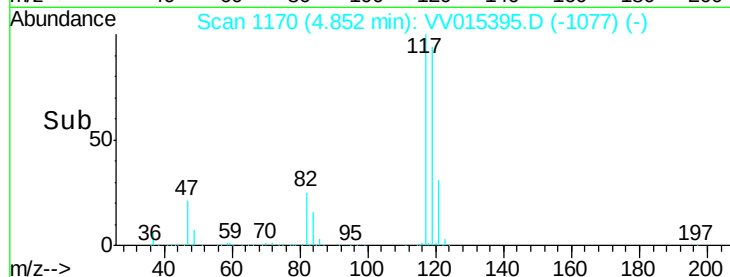
150000

100000

50000

0

Time--> 4.75 4.80 4.85 4.90 4.95



#33

Benzene

Concen: 44.675 ug/L

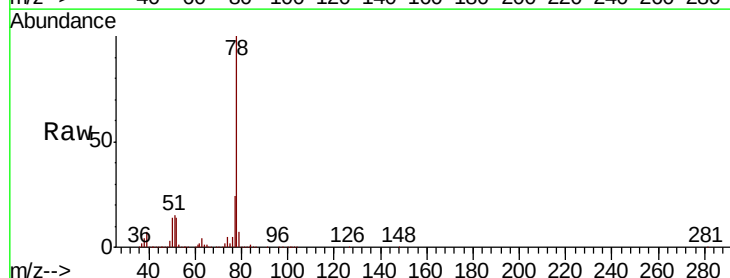
RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VV015395.D

Acq: 03 Apr 2020 11:34

Tgt Ion: 78 Resp: 897748



Abundance Ion 78.00 (77.70 to 78.70): VV0

5.13

400000

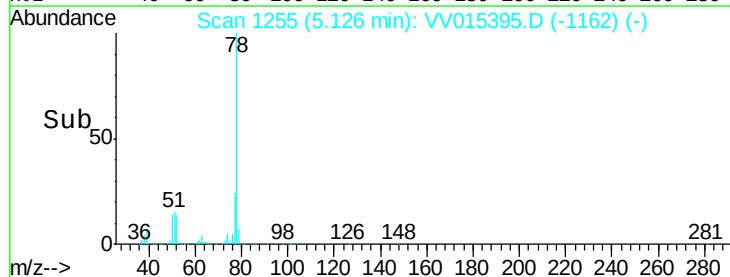
300000

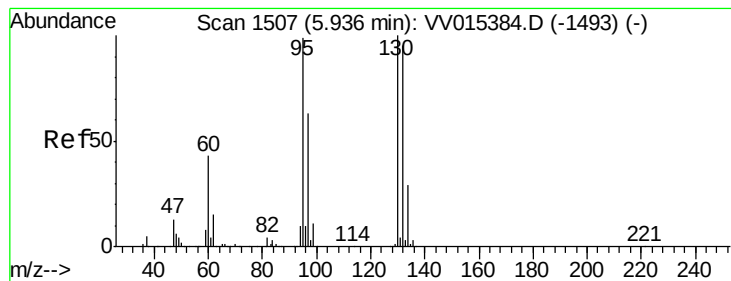
200000

100000

0

Time--> 5.00 5.10 5.20





#34

Trichloroethene

Concen: 44.177 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV015395.D

Acq: 03 Apr 2020 11:34

Instrument :

MSVOA_V

ClientSampled :

BFB78

Tot Ion: 95 Resp: 235060

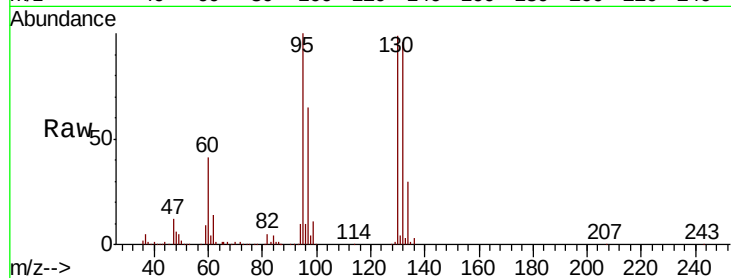
Ion Ratio Lower Upper

95 100

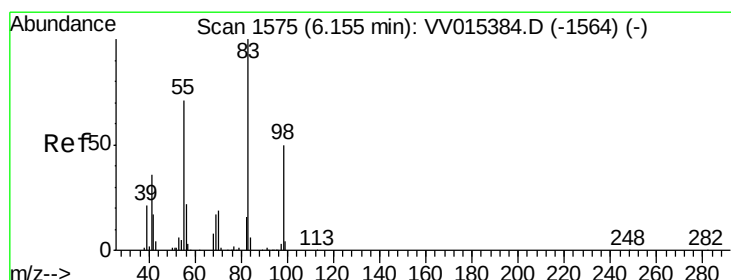
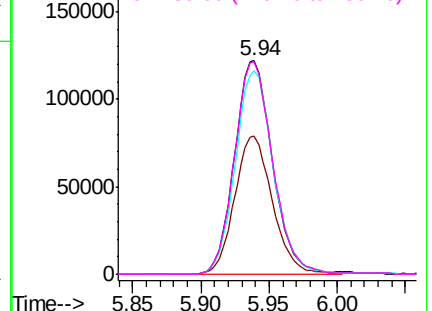
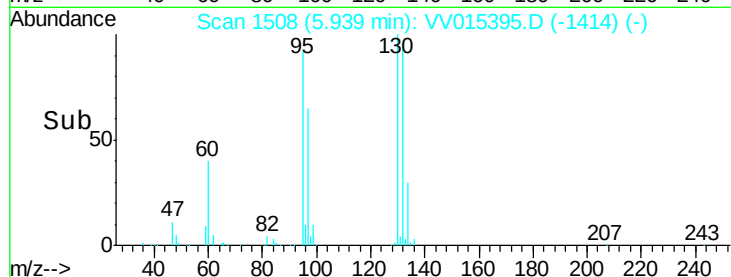
97 64.8 45.4 84.2

132 95.5 66.8 124.2

130 99.5 69.4 128.8



Abundance Ion 95.00 (94.70 to 95.70): VV015395.D (-1414) (-)



#35

Methylcyclohexane

Concen: 44.440 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV015395.D

Acq: 03 Apr 2020 11:34

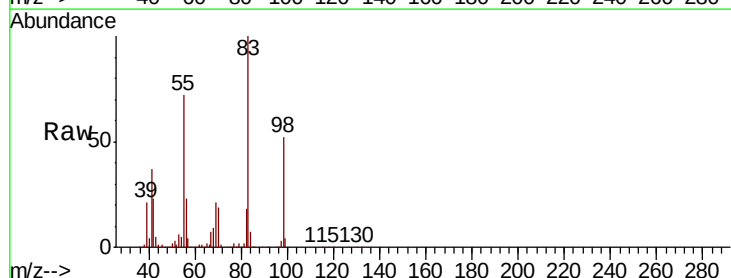
Tgt Ion: 83 Resp: 387402

Ion Ratio Lower Upper

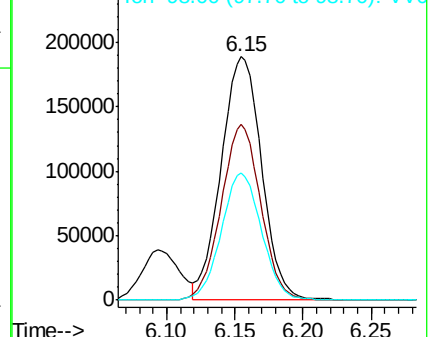
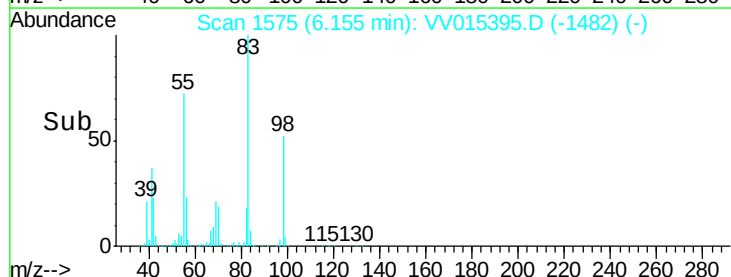
83 100

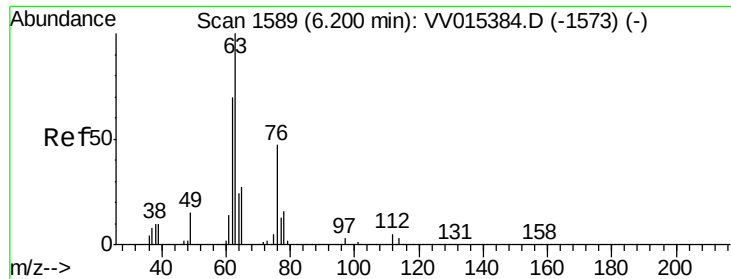
55 70.6 57.9 86.9

98 52.2 40.0 60.0



Abundance Ion 83.00 (82.70 to 83.70): VV015395.D (-1482) (-)

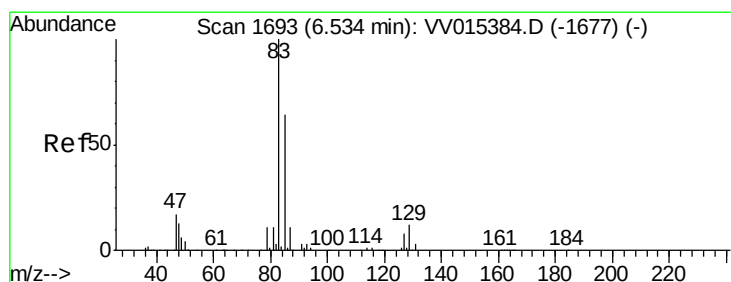
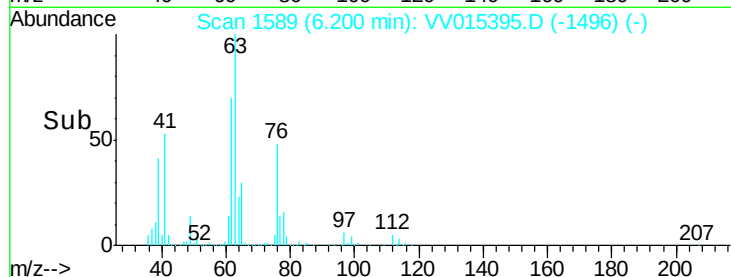
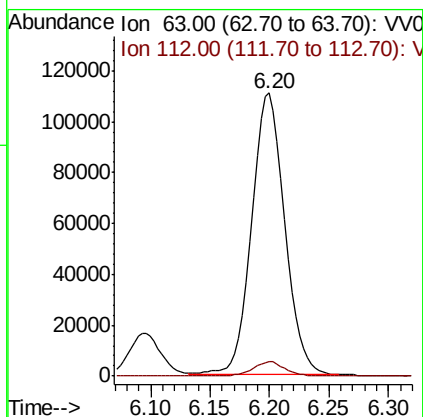
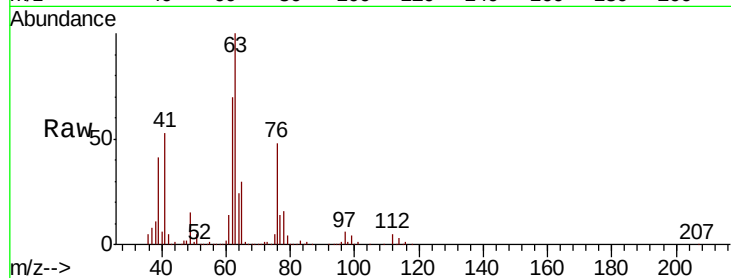




#37
 1,2-Dichloropropane
 Concen: 43.177 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. -0.00 min
 Lab File: VV015395.D
 Acq: 03 Apr 2020 11:34

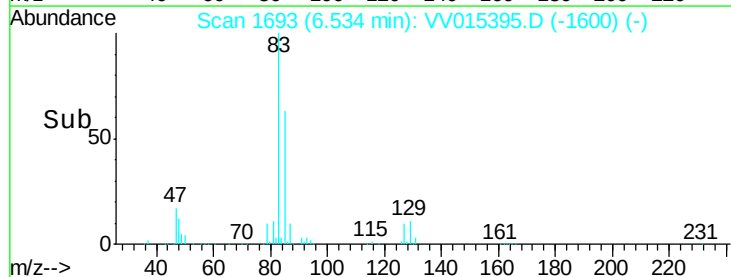
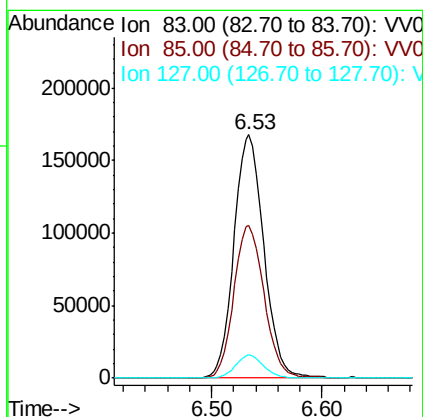
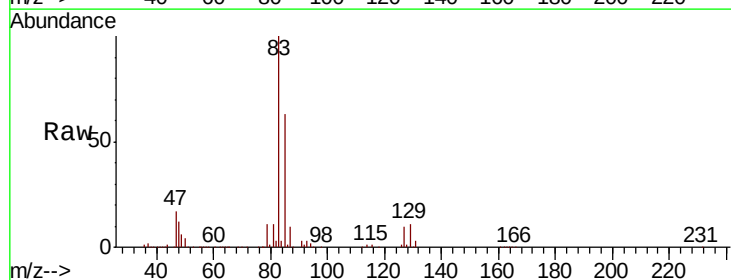
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB78

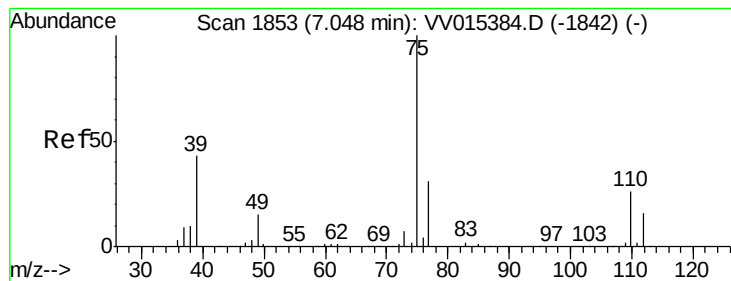
Tot Ion: 63 Resp: 212946
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.8 5.8



#38
 Bromodichloromethane
 Concen: 43.665 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. -0.00 min
 Lab File: VV015395.D
 Acq: 03 Apr 2020 11:34

Tgt Ion: 83 Resp: 315718
 Ion Ratio Lower Upper
 83 100
 85 62.6 43.5 80.9
 127 9.6 6.6 10.0



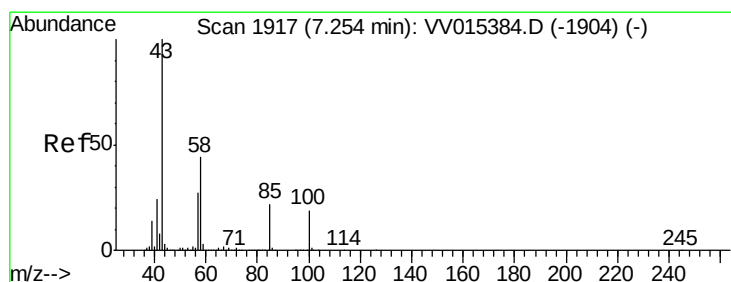
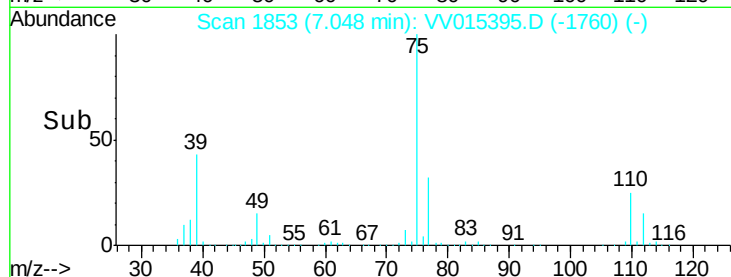
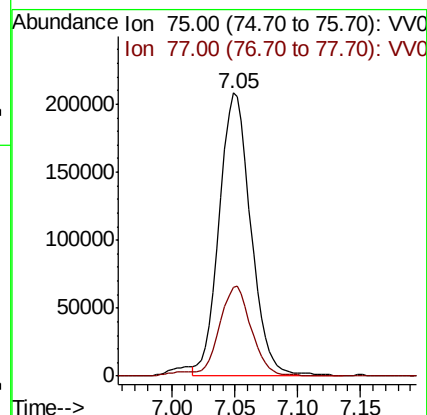
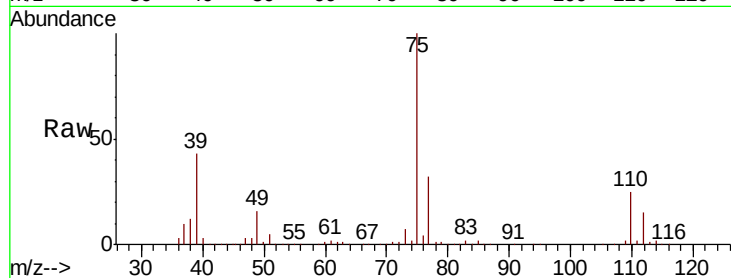


#39

cis-1,3-Dichloropropene
 Concen: 44.188 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV015395.D
 Acq: 03 Apr 2020 11:34

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB78

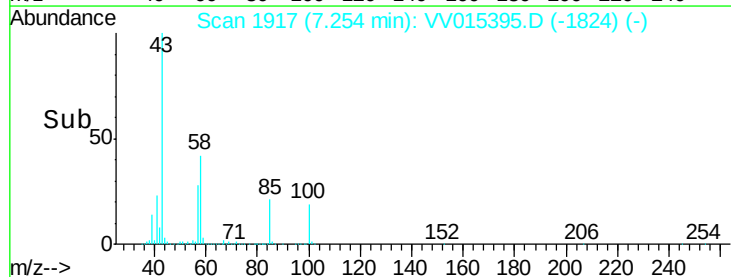
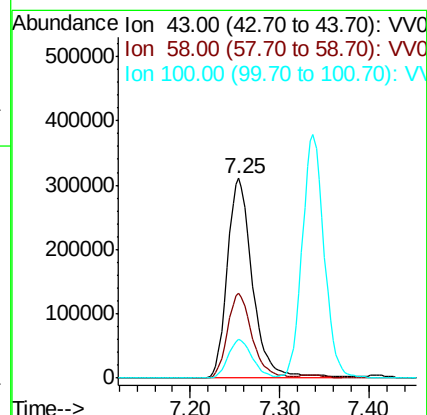
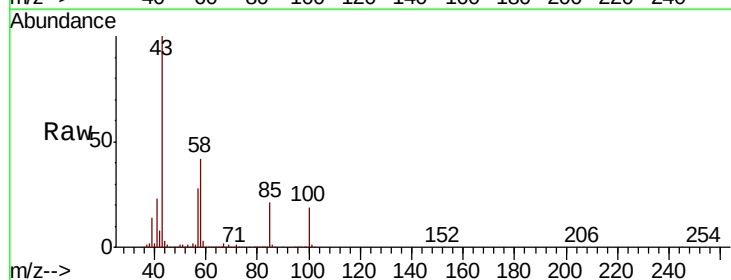
Tot Ion: 75 Resp: 366238
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.5 41.9

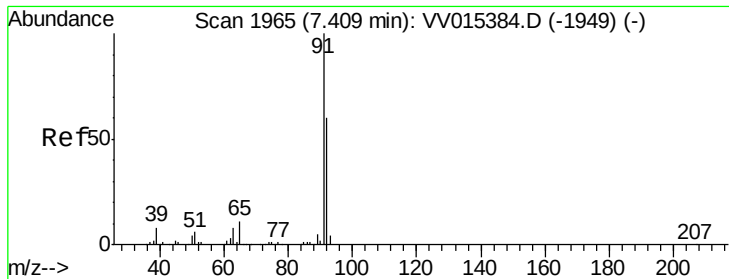


#40

4-Methyl-2-pentanone
 Concen: 87.843 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. -0.00 min
 Lab File: VV015395.D
 Acq: 03 Apr 2020 11:34

Tgt Ion: 43 Resp: 609044
 Ion Ratio Lower Upper
 43 100
 58 41.3 33.3 49.9
 100 18.5 14.6 22.0





#42

Toluene

Concen: 44.553 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV015395.D

Acq: 03 Apr 2020 11:34

Instrument :

MSVOA_V

ClientSampleId :

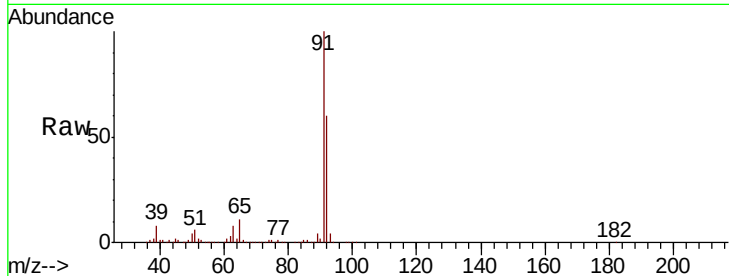
BFB78

Tot Ion: 91 Resp: 995000

Ion Ratio Lower Upper

91 100

92 59.6 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

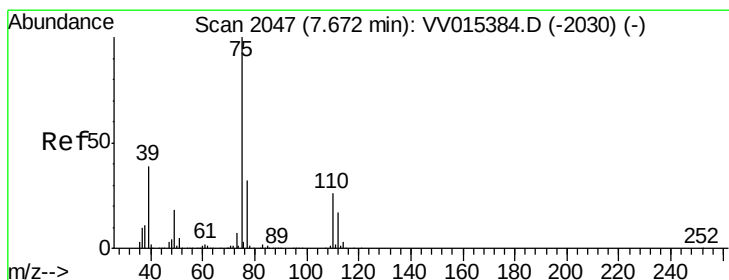
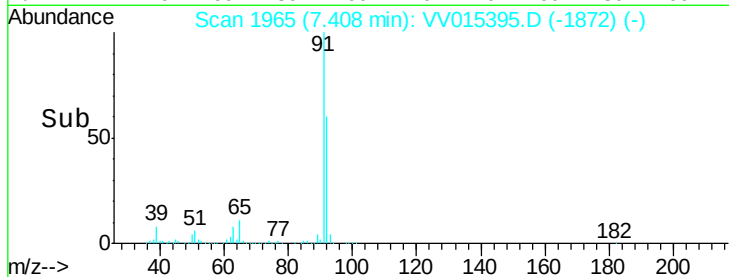
600000

400000

200000

0

Time--> 7.30 7.40 7.50



#44

trans-1,3-Dichloropropene

Concen: 44.309 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV015395.D

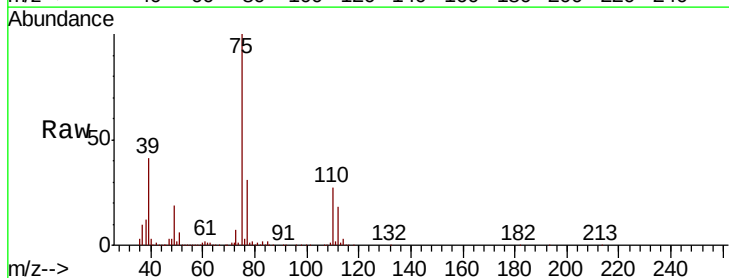
Acq: 03 Apr 2020 11:34

Tgt Ion: 75 Resp: 356857

Ion Ratio Lower Upper

75 100

77 31.4 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

250000

200000

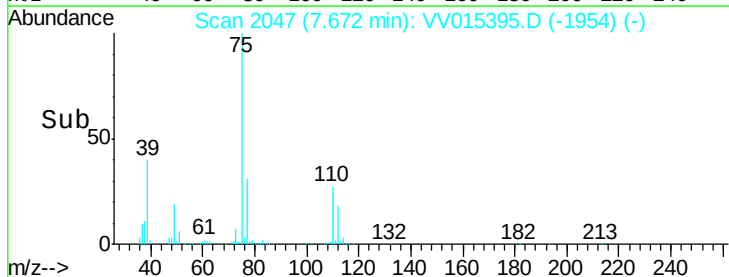
150000

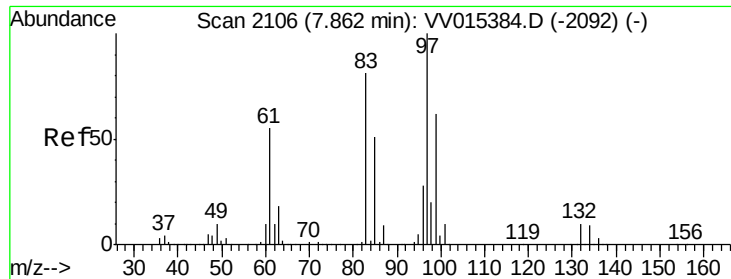
100000

50000

0

Time--> 7.60 7.70 7.80

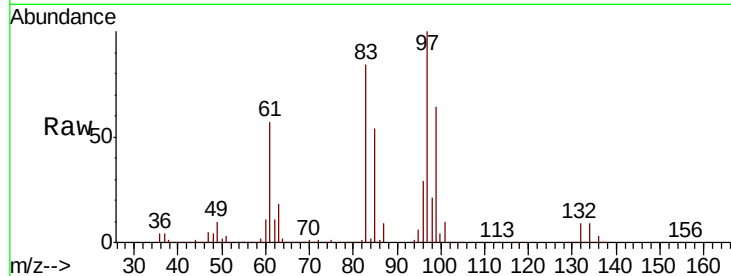




#45
 1,1,2-Trichloroethane
 Concen: 44.218 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. -0.00 min
 Lab File: VV015395.D
 Acq: 03 Apr 2020 11:34

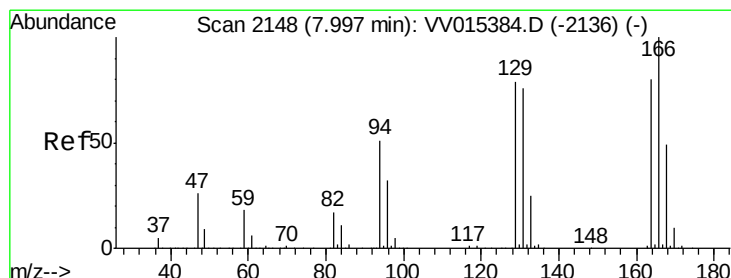
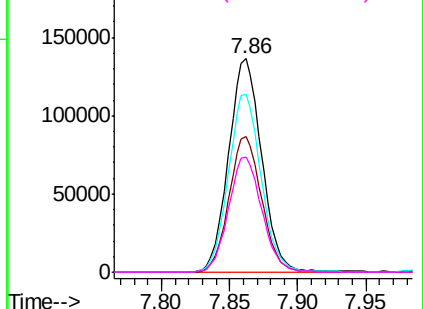
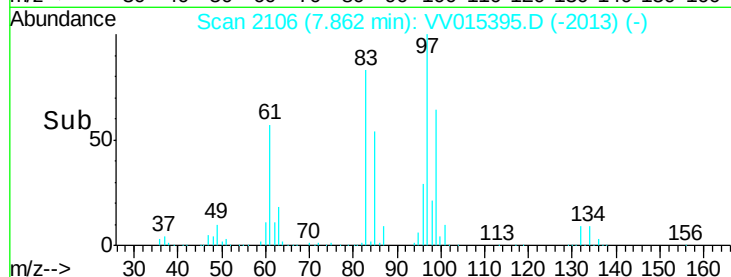
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB78

Tot Ion:	97	Resp:	229970
Ion	Ratio	Lower	Upper
97	100		
99	63.8	43.5	80.7
83	83.6	57.3	106.5
85	54.2	37.7	70.1



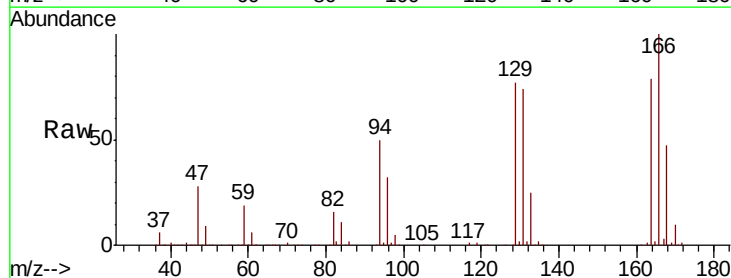
Abundance

Ion 97.00 (96.70 to 97.70): VV015395.D (-2013) (-)



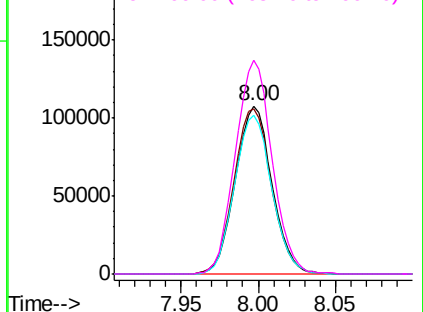
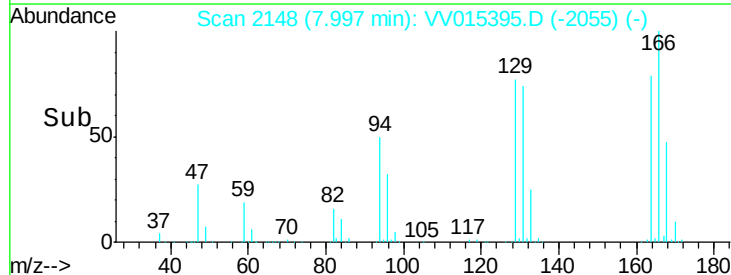
#46
 Tetrachloroethene
 Concen: 46.675 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV015395.D
 Acq: 03 Apr 2020 11:34

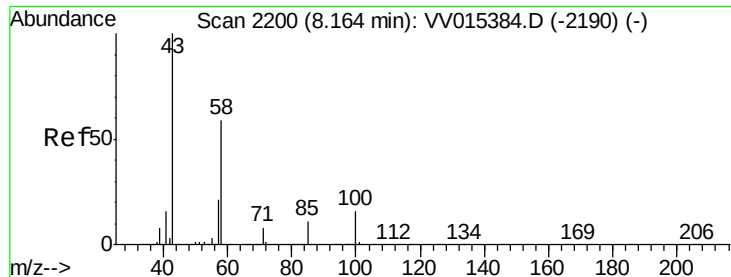
Tgt Ion:	164	Resp:	178045
Ion	Ratio	Lower	Upper
164	100		
129	98.3	73.8	137.0
131	94.3	69.4	129.0
166	127.2	89.7	166.7



Abundance

Ion 164.00 (163.70 to 164.70): VV015395.D (-2055) (-)

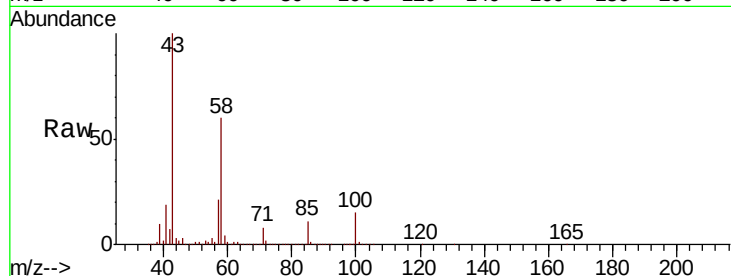




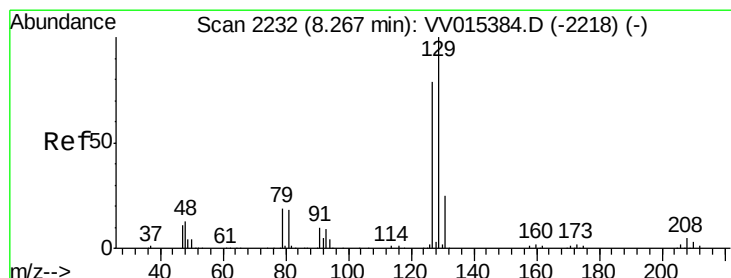
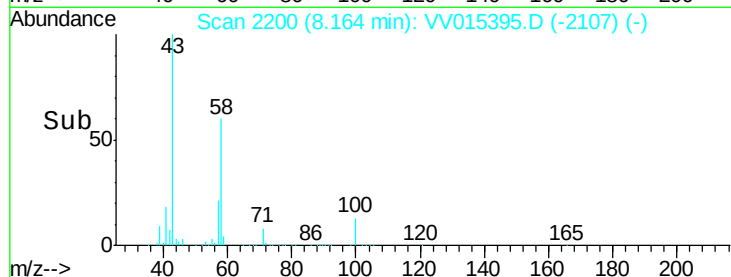
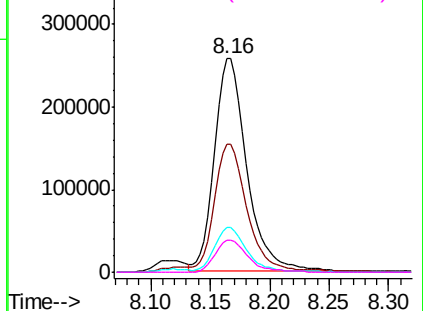
#48
2-Hexanone
Concen: 92.464 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VV015395.D
Acq: 03 Apr 2020 11:34

Instrument :
MSVOA_V
ClientSampleId :
BFB78

Tot Ion: 43 Resp: 485461
Ion Ratio Lower Upper
43 100
58 58.8 47.4 71.2
57 19.8 16.7 25.1
100 15.4 11.5 17.3

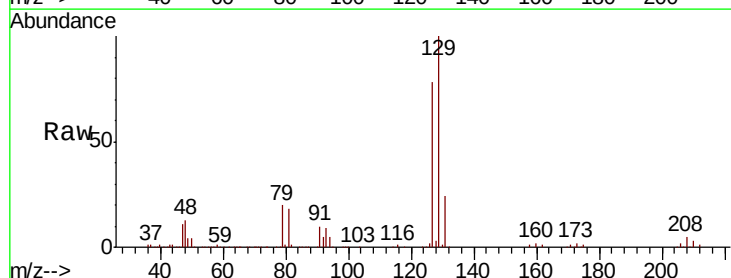


Abundance Ion 43.00 (42.70 to 43.70): VV015395.D (-2107) (-)
Ion 58.00 (57.70 to 58.70): VV015395.D (-2107) (-)
Ion 57.00 (56.70 to 57.70): VV015395.D (-2107) (-)
Ion 100.00 (99.70 to 100.70): VV015395.D (-2107) (-)

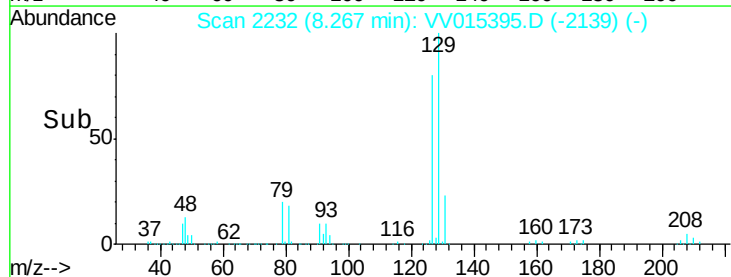
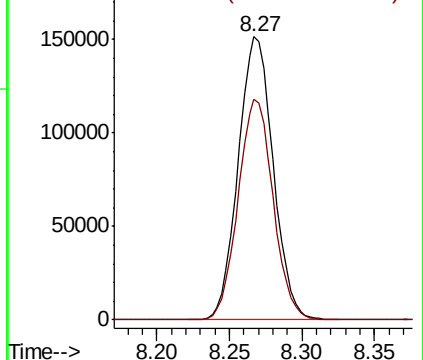


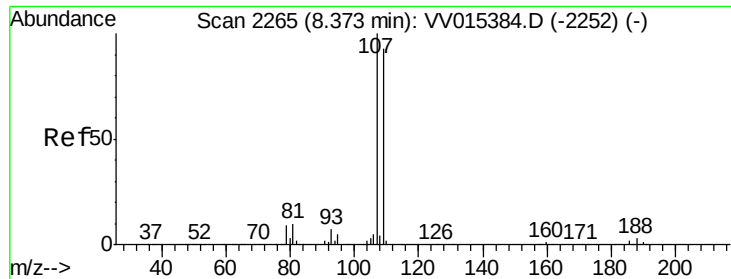
#49
Dibromochloromethane
Concen: 44.694 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV015395.D
Acq: 03 Apr 2020 11:34

Tgt Ion: 129 Resp: 254564
Ion Ratio Lower Upper
129 100
127 78.2 55.2 102.6



Abundance Ion 129.00 (128.70 to 129.70): VV015395.D (-2139) (-)
Ion 127.00 (126.70 to 127.70): VV015395.D (-2139) (-)

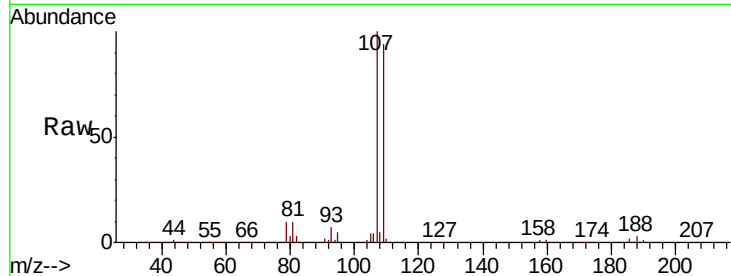




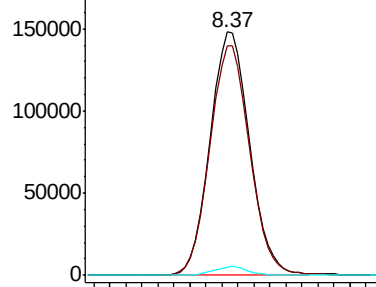
#50
 1,2-Dibromoethane
 Concen: 44.968 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. -0.00 min
 Lab File: VV015395.D
 Acq: 03 Apr 2020 11:34

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB78

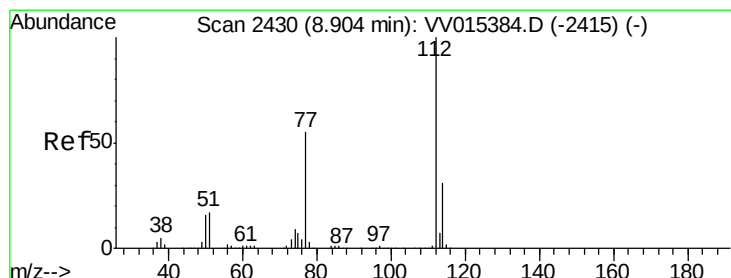
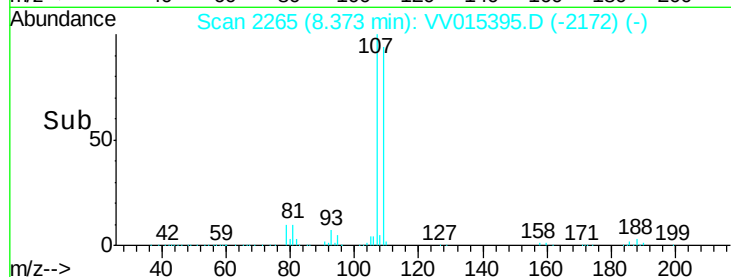
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	65.0	120.8
188	3.5	2.4	3.6



Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

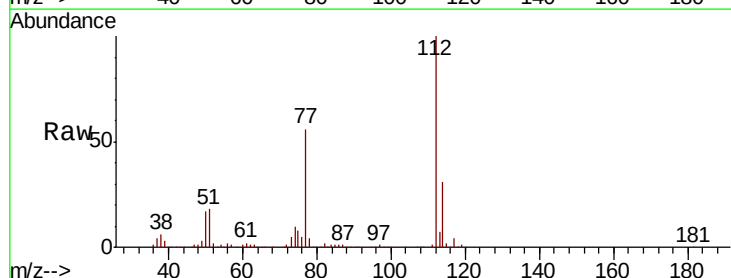


Time-->

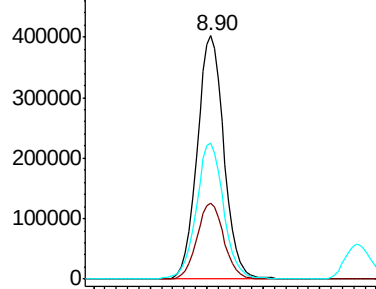


#51
 Chlorobenzene
 Concen: 45.103 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VV015395.D
 Acq: 03 Apr 2020 11:34

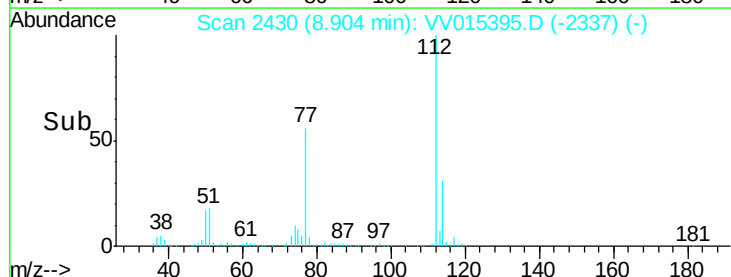
Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.3	21.8	40.4
77	55.7	46.2	69.2

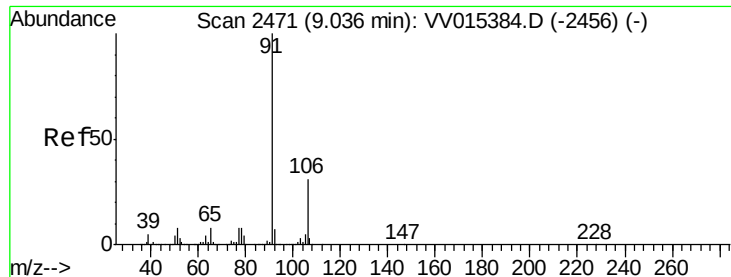


Abundance Ion 112.00 (111.70 to 112.70): V
 Ion 114.00 (113.70 to 114.70): V
 Ion 77.00 (76.70 to 77.70): V



Time-->





#52

Ethylbenzene

Concen: 44.436 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV015395.D

Acq: 03 Apr 2020 11:34

Instrument :

MSVOA_V

ClientSampleId :

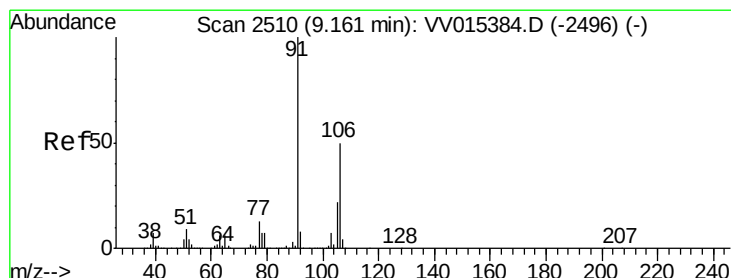
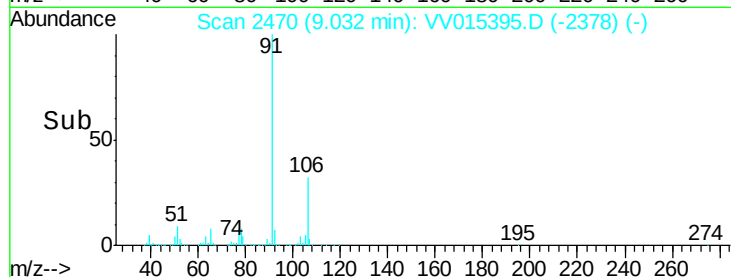
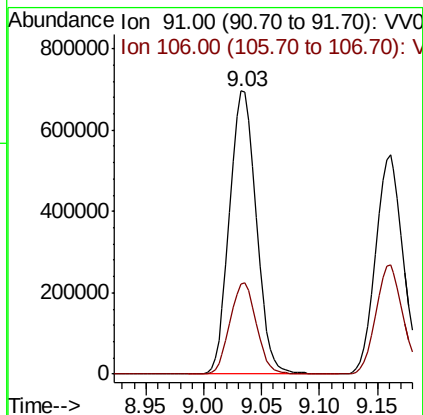
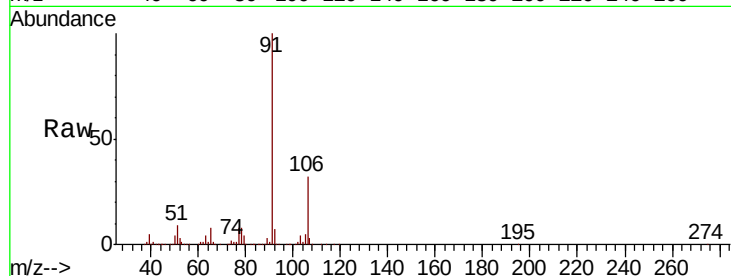
BFB78

Tot Ion: 91 Resp: 1113872

Ion Ratio Lower Upper

91 100

106 31.7 21.8 40.6



#53

m,p-Xylene

Concen: 45.940 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. -0.00 min

Lab File: VV015395.D

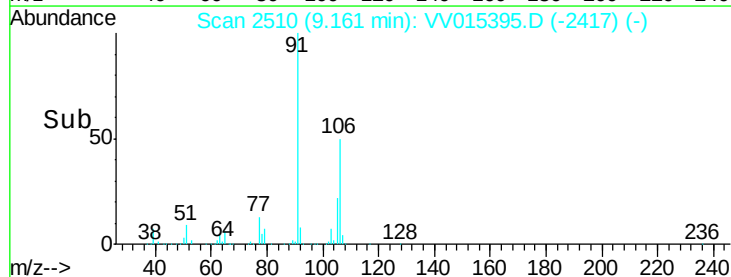
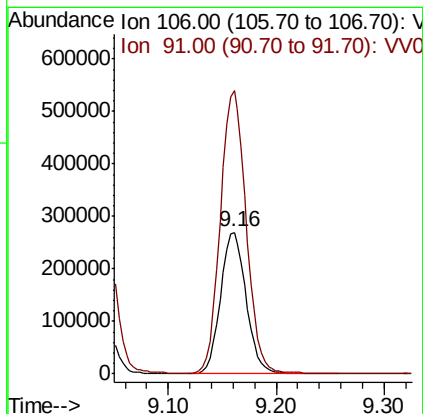
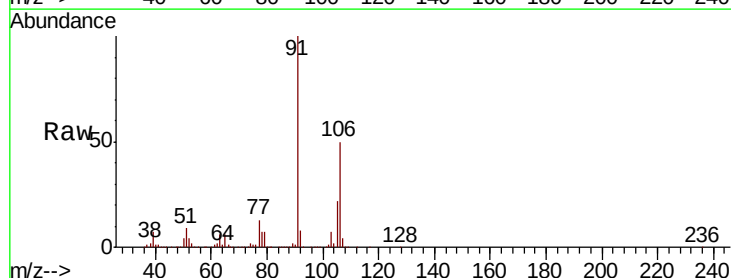
Acq: 03 Apr 2020 11:34

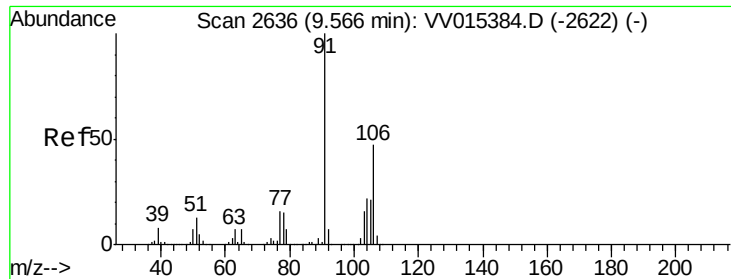
Tgt Ion: 106 Resp: 443427

Ion Ratio Lower Upper

106 100

91 199.8 139.7 259.5

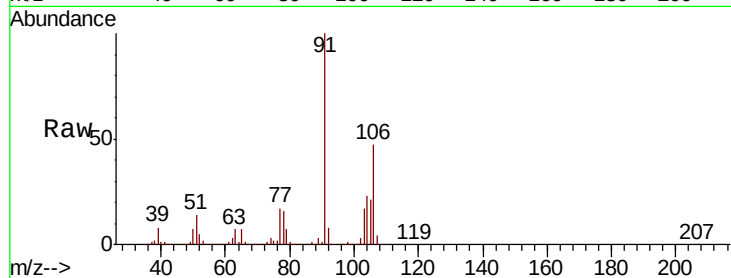




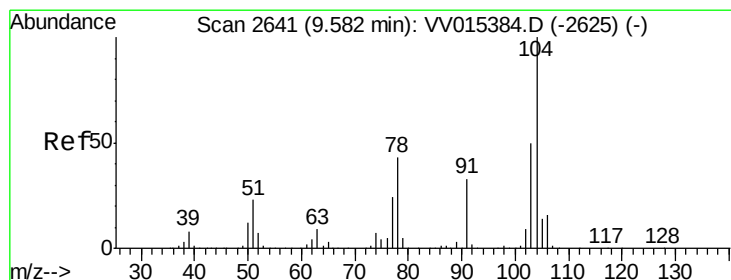
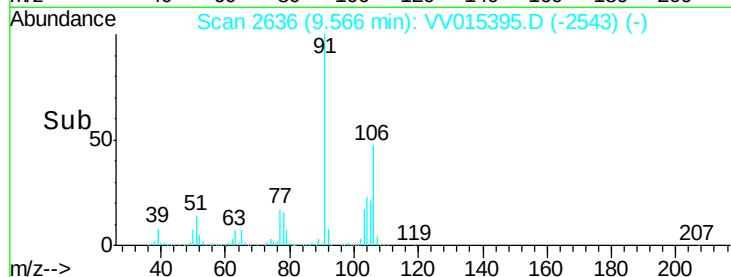
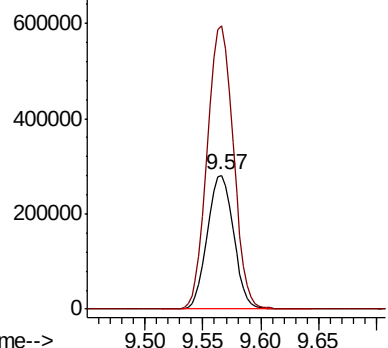
#54
o-xylene
Concen: 45.382 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. -0.00 min
Lab File: VV015395.D
Acq: 03 Apr 2020 11:34

Instrument :
MSVOA_V
ClientSampled :
BFB78

Tot Ion:106 Resp: 438775
Ion Ratio Lower Upper
106 100
91 211.4 148.0 274.8

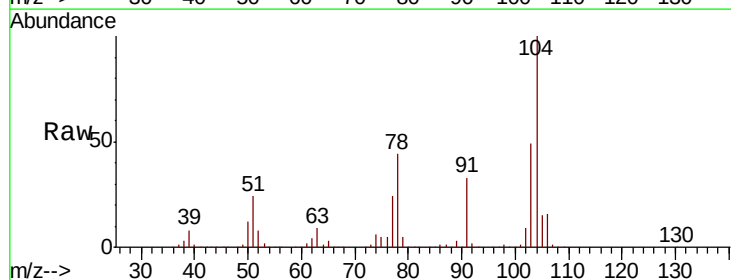


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

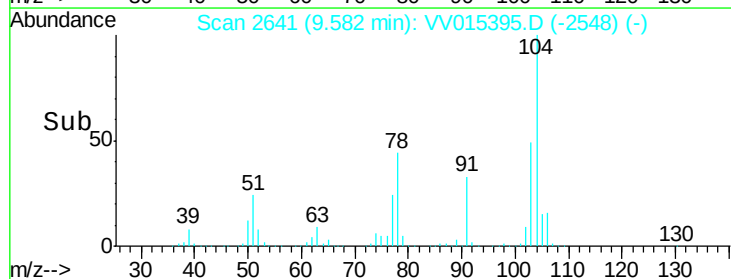
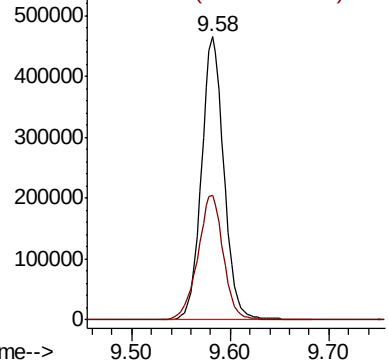


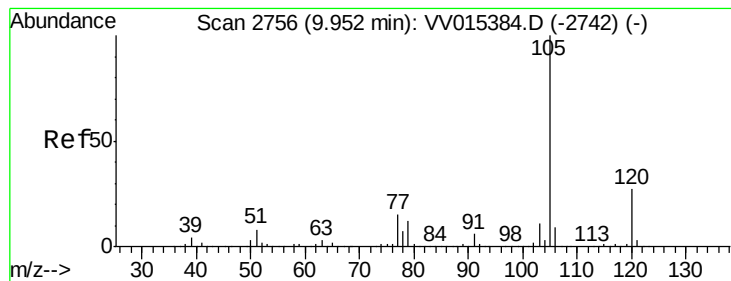
#55
Styrene
Concen: 46.290 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV015395.D
Acq: 03 Apr 2020 11:34

Tgt Ion:104 Resp: 744240
Ion Ratio Lower Upper
104 100
78 44.0 31.5 58.5



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





#56

Isopropylbenzene

Concen: 44.962 ug/L

RT: 9.96 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV015395.D

Acq: 03 Apr 2020 11:34

Instrument :

MSVOA_V

ClientSampleId :

BFB78

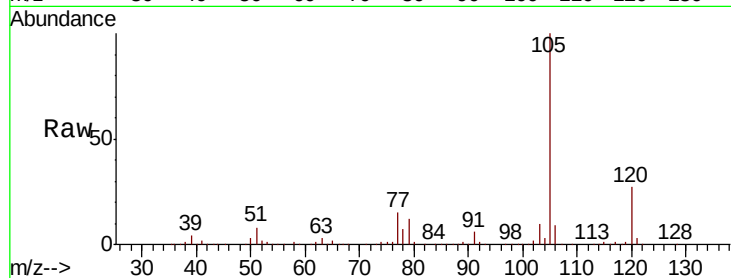
Tot Ion:105 Resp: 1126076

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.0

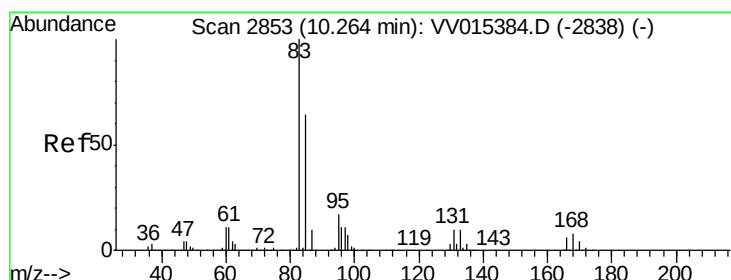
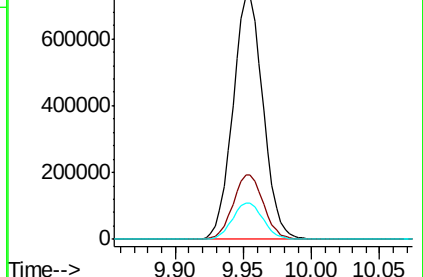
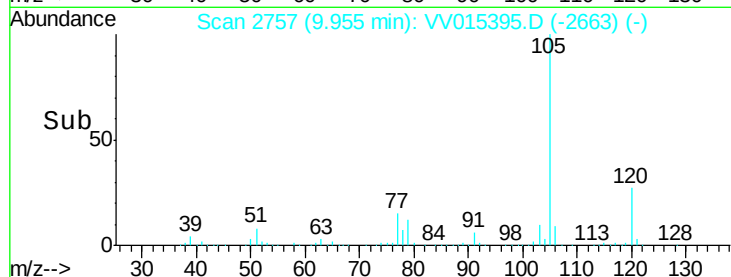
77 15.3 12.4 18.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 43.658 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV015395.D

Acq: 03 Apr 2020 11:34

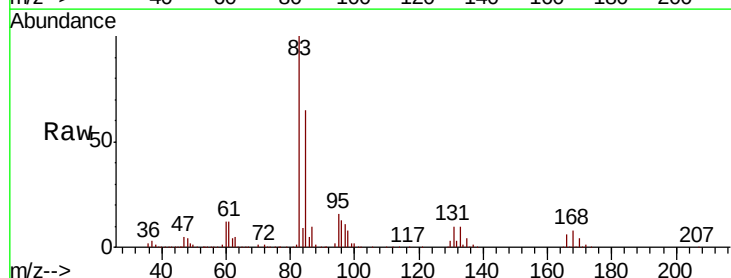
Tgt Ion: 83 Resp: 364527

Ion Ratio Lower Upper

83 100

85 65.2 45.4 84.4

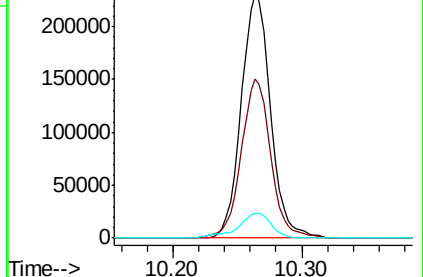
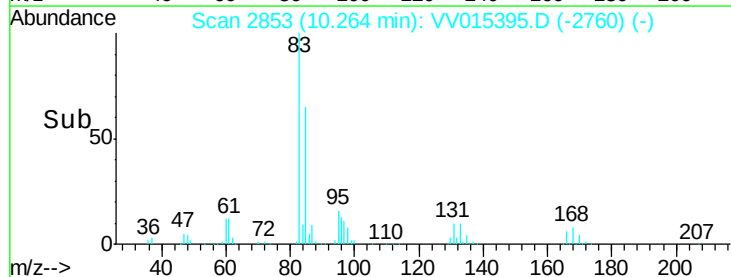
131 10.3 8.0 12.0

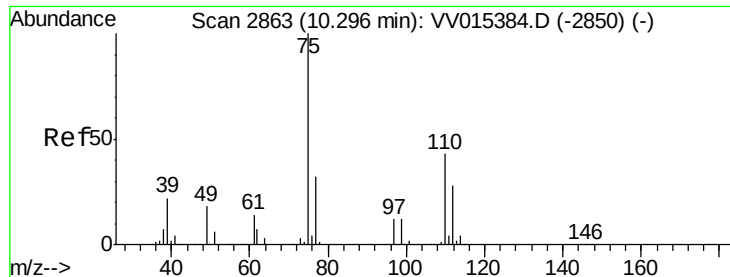


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

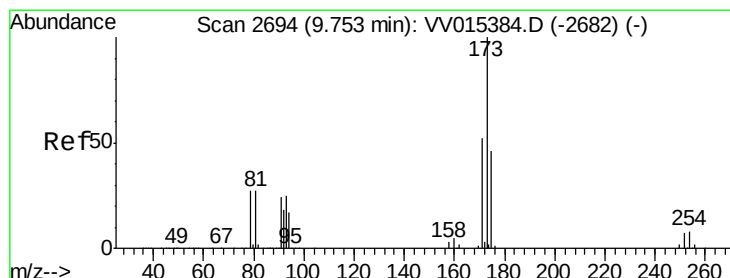
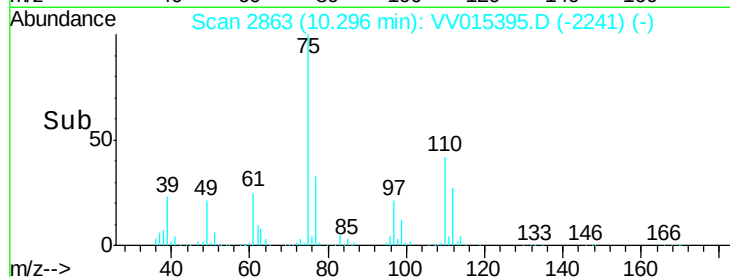
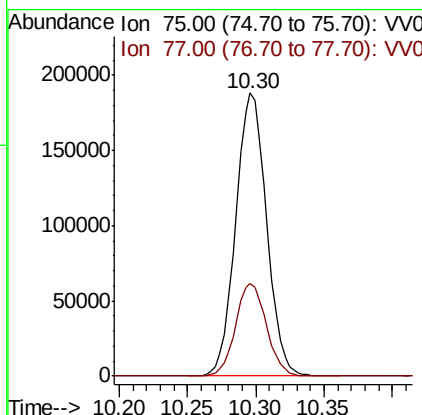
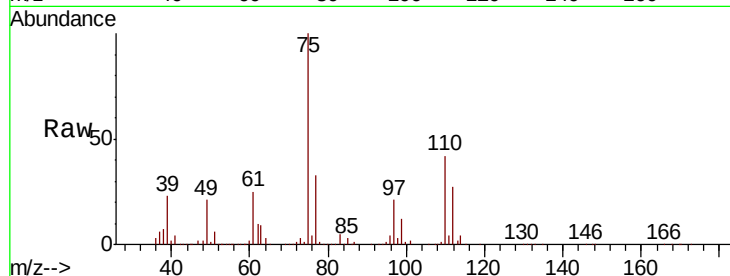




#59
 1,2,3-Trichloropropane
 Concen: 44.353 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VV015395.D
 Acq: 03 Apr 2020 11:34

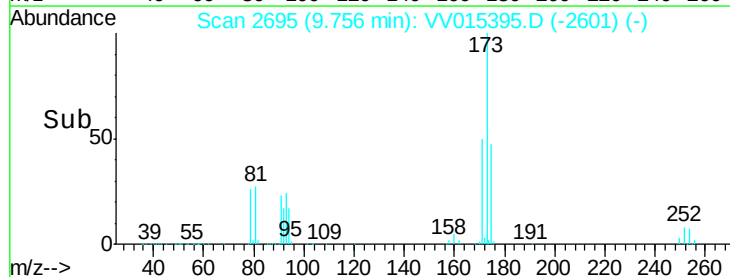
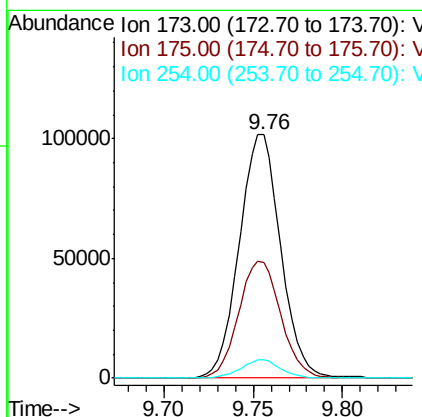
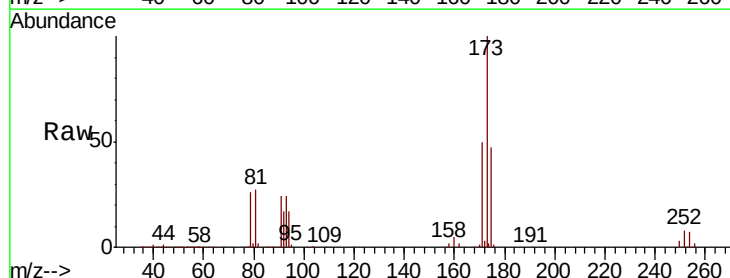
Instrument :
 MSVOA_V
 ClientSampled :
 BFB78

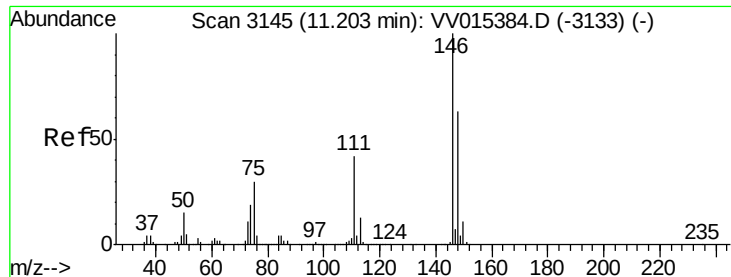
Tot Ion: 75 Resp: 295369
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.4 38.0



#61
 Bromoform
 Concen: 44.315 ug/L
 RT: 9.76 min Scan# 2695
 Delta R.T. 0.00 min
 Lab File: VV015395.D
 Acq: 03 Apr 2020 11:34

Tgt Ion: 173 Resp: 164957
 Ion Ratio Lower Upper
 173 100
 175 48.8 39.0 58.6
 254 7.3 5.9 8.9





#62

1,3-Dichlorobenzene

Concen: 45.483 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV015395.D

Acq: 03 Apr 2020 11:34

Instrument :

MSVOA_V

ClientSampled :

BFB78

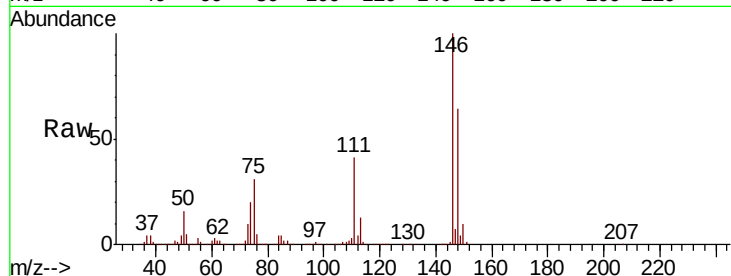
Tot Ion:146 Resp: 510273

Ion Ratio Lower Upper

146 100

111 40.9 30.2 56.2

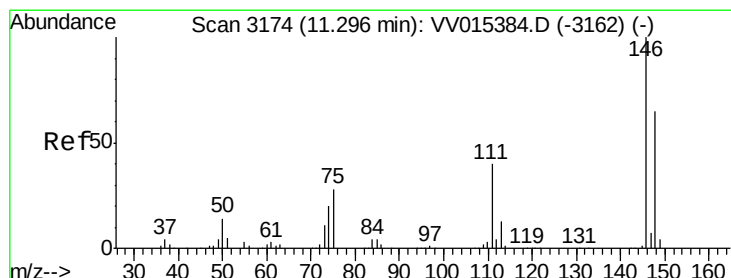
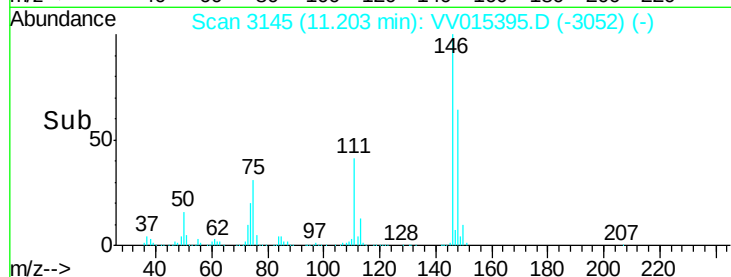
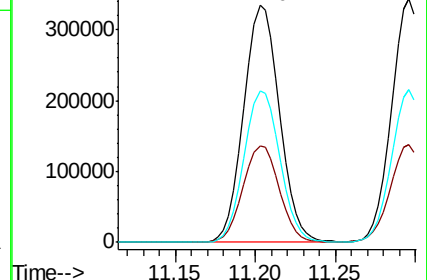
148 63.8 44.7 83.1



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: 45.304 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV015395.D

Acq: 03 Apr 2020 11:34

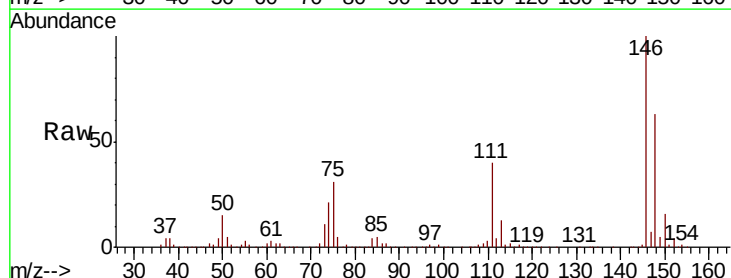
Tgt Ion:146 Resp: 515484

Ion Ratio Lower Upper

146 100

111 40.0 29.3 54.5

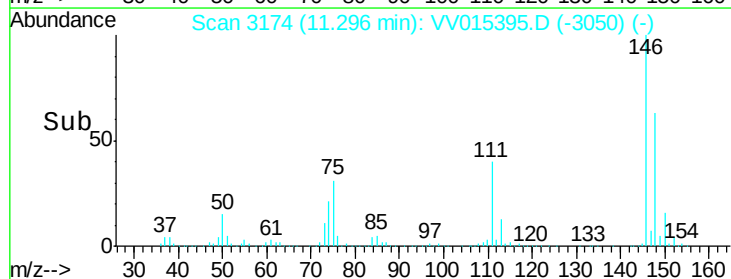
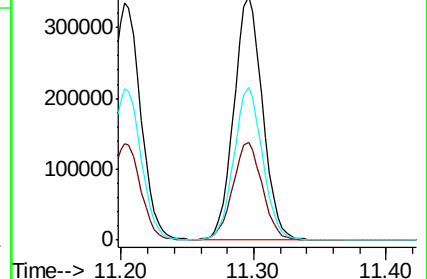
148 62.6 44.7 82.9

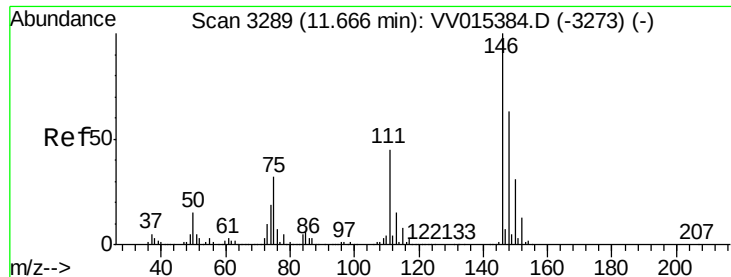


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 44.727 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV015395.D

Acq: 03 Apr 2020 11:34

Instrument :

MSVOA_V

ClientSampleId :

BFB78

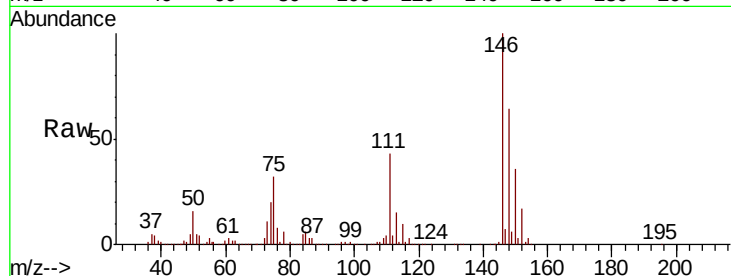
Tot Ion:146 Resp: 511800

Ion Ratio Lower Upper

146 100

111 43.4 35.1 52.7

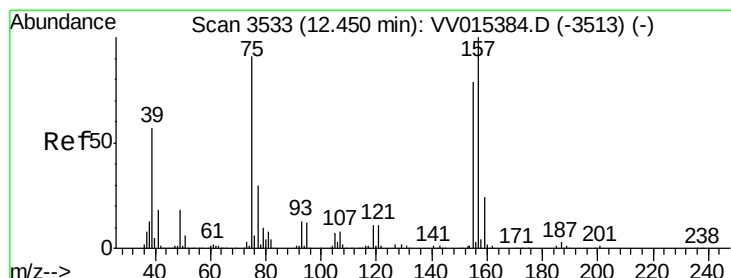
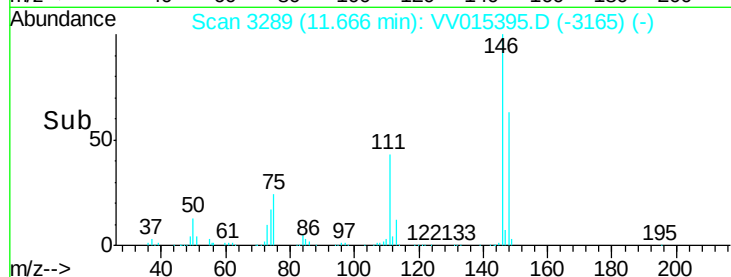
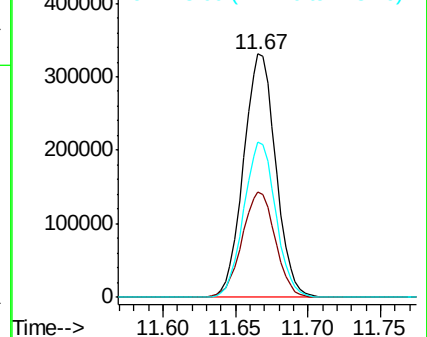
148 63.7 51.0 76.4



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



#66

1,2-Dibromo-3-chloropropane

Concen: 40.923 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV015395.D

Acq: 03 Apr 2020 11:34

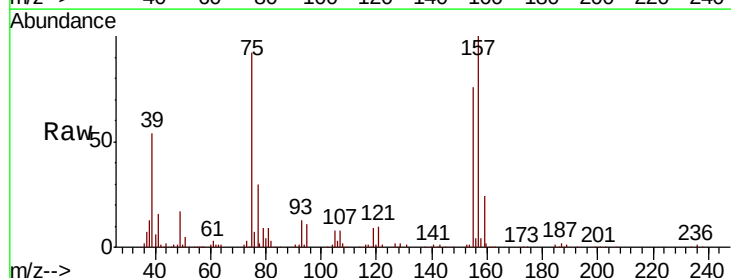
Tgt Ion: 75 Resp: 92464

Ion Ratio Lower Upper

75 100

155 83.1 64.5 96.7

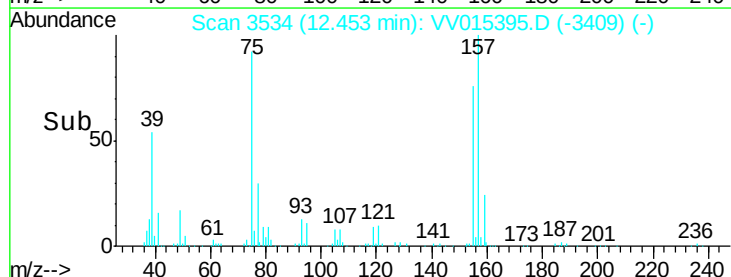
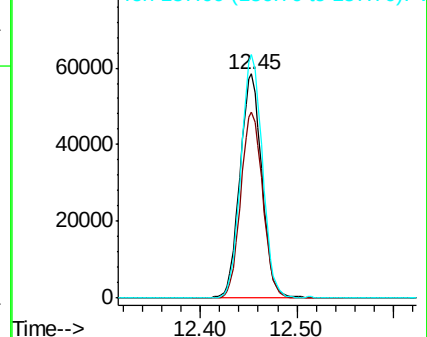
157 108.8 79.8 119.6

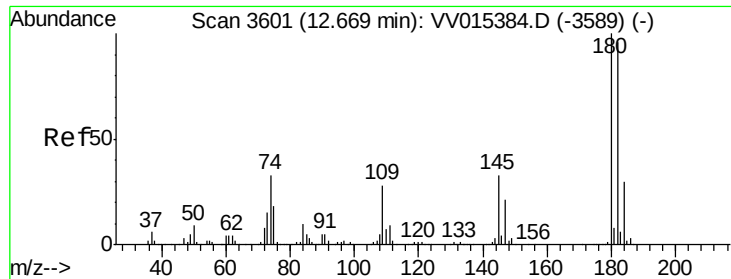


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

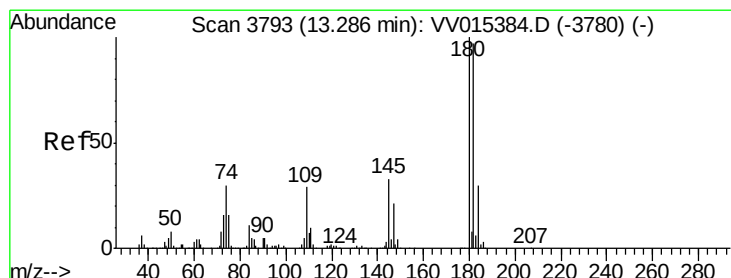
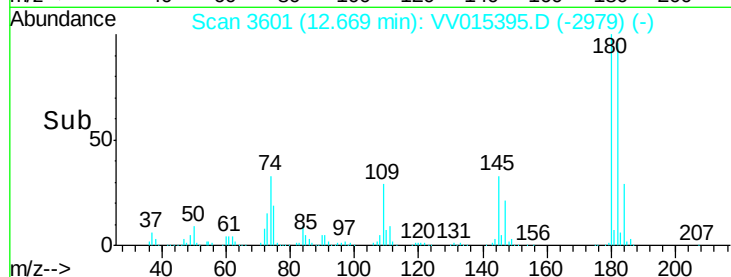
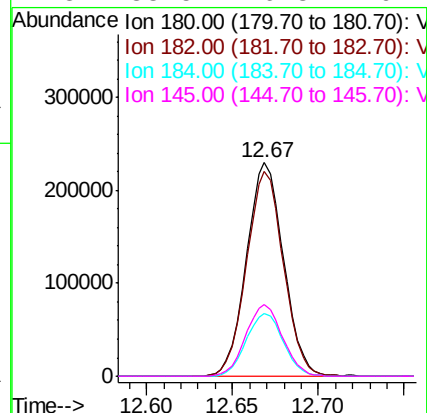
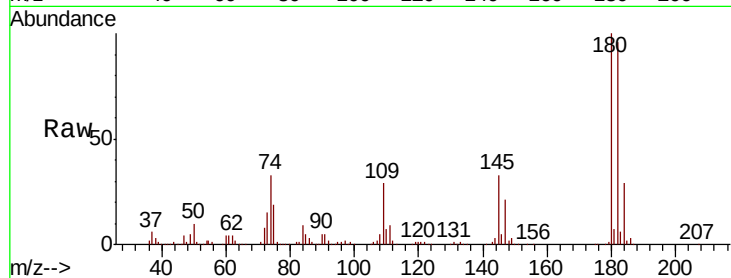




#67
 1,3,5-Trichlorobenzene
 Concen: 46.219 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV015395.D
 Acq: 03 Apr 2020 11:34

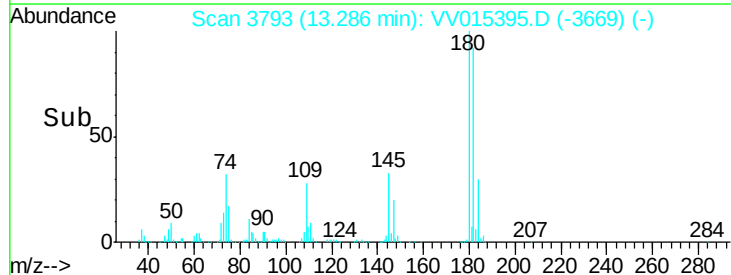
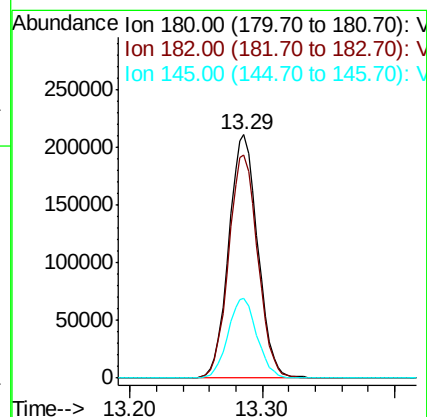
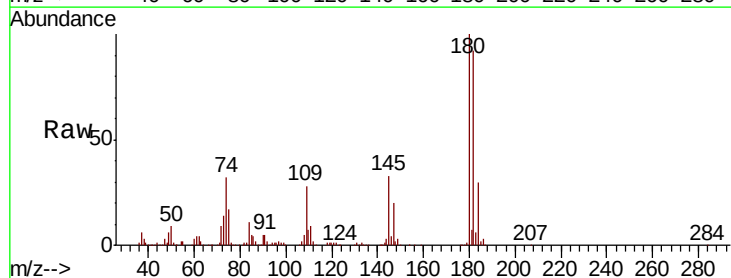
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB78

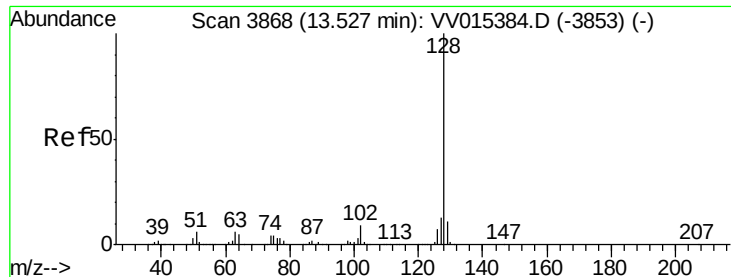
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	74.7	112.1
184	29.5	23.7	35.5
145	33.5	26.8	40.2



#68
 1,2,4-trichlorobenzene
 Concen: 47.036 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV015395.D
 Acq: 03 Apr 2020 11:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.5	75.8	113.8
145	32.9	27.7	41.5





#69

Naphthalene

Concen: 45.845 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV015395.D

Acq: 03 Apr 2020 11:34

Instrument :

MSVOA_V

ClientSampleId :

BFB78

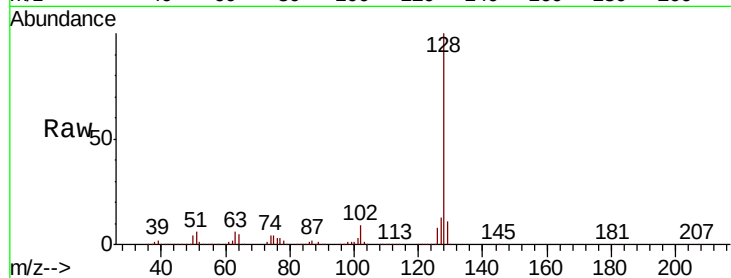
Tot Ion:128 Resp: 1190326

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

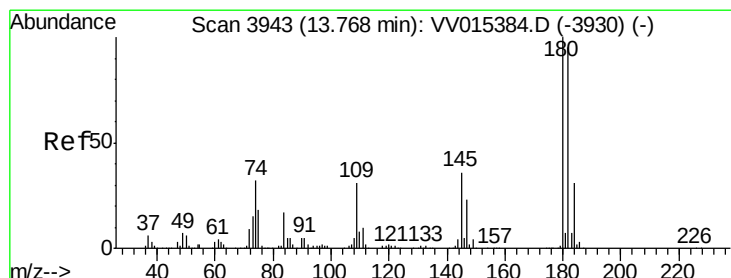
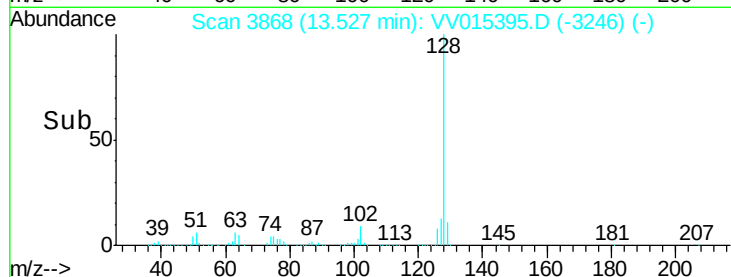
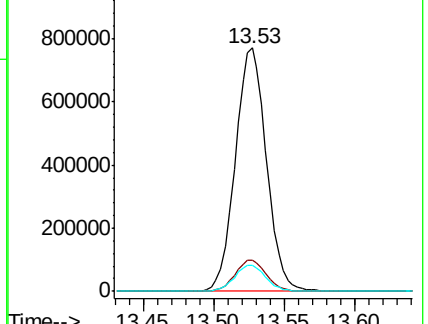
129 10.7 8.6 13.0



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: 45.879 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV015395.D

Acq: 03 Apr 2020 11:34

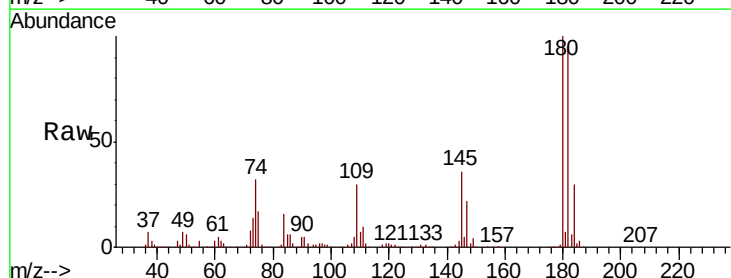
Tgt Ion:180 Resp: 320962

Ion Ratio Lower Upper

180 100

182 94.5 76.1 114.1

145 36.2 28.2 42.4



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

