

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040220\
 Data File : VV015384.D
 Acq On : 02 Apr 2020 19:39
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 03 01:35:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM040120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 03 01:25:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	707471	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	685225	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	337476	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	239207	37.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.42%
7) Chloroethane-d5	1.58	69	209583	38.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.36%
11) 1,1-Dichloroethene-d2	2.12	63	490065	43.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.44%
21) 2-Butanone-d5	3.94	46	328488	97.43	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.43%
24) Chloroform-d	4.38	84	446287	42.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.22%
26) 1,2-Dichloroethane-d4	5.06	65	273978	42.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.00%
32) Benzene-d6	5.07	84	869055	41.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.36%
36) 1,2-Dichloropropane-d6	6.09	67	264663	42.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.08%
41) Toluene-d8	7.34	98	850816	42.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.32%
43) trans-1,3-Dichloropropene-	7.64	79	138906	40.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.82%
47) 2-Hexanone-d5	8.11	63	253320	89.15	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.15%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	397040	44.85	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.70%
64) 1,2-Dichlorobenzene-d4	11.65	152	329468	42.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.84%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	293284	45.841	ug/L 99
3) Chloromethane	1.25	50	258532	42.878	ug/L 100
5) Vinyl chloride	1.32	62	274348	43.440	ug/L 100
6) Bromomethane	1.53	94	185733	44.488	ug/L 97
8) Chloroethane	1.60	64	172758	39.819	ug/L 100
9) Trichlorofluoromethane	1.76	101	458030	38.359	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	248917	46.649	ug/L 99
12) 1,1-Dichloroethene	2.13	96	239350	47.268	ug/L 94
13) Acetone	2.22	43	208953	94.416	ug/L 94
14) Carbon disulfide	2.31	76	618549	44.168	ug/L 99
15) Methyl Acetate	2.46	43	234981	48.480	ug/L 99
16) Methylene chloride	2.52	84	249526	46.597	ug/L 95
17) trans-1,2-Dichloroethene	2.78	96	228909	47.357	ug/L 96
18) Methyl tert-butyl Ether	2.79	73	759089	47.637	ug/L 99
19) 1,1-Dichloroethane	3.21	63	407721	46.360	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	258204	46.683	ug/L 91
22) 2-Butanone	4.02	43	327438	100.007	ug/L 98

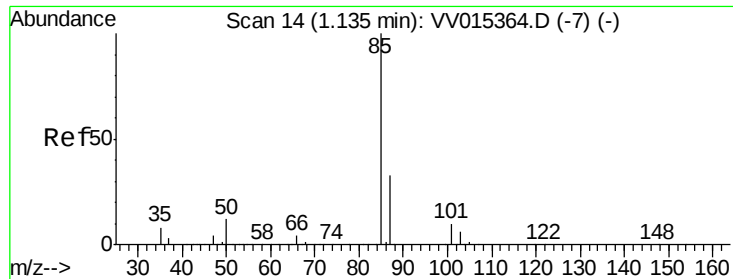
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040220\
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 Quant Title : VOC Analysis
 QLast Update : Fri Apr 03 01:25:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	135753	48.597	ug/L	93
25) Chloroform	4.40	83	447000	46.870	ug/L	99
27) 1,2-Dichloroethane	5.16	62	328303	45.706	ug/L	99
29) Cyclohexane	4.70	56	353035	43.304	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	406156	46.127	ug/L	99
31) Carbon tetrachloride	4.85	117	353604	46.970	ug/L	99
33) Benzene	5.13	78	943788	46.534	ug/L	100
34) Trichloroethene	5.94	95	255901	47.652	ug/L	98
35) Methylcyclohexane	6.15	83	390326	44.364	ug/L	98
37) 1,2-Dichloropropane	6.20	63	223985	44.998	ug/L	99
38) Bromodichloromethane	6.53	83	336666	46.134	ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	383180	45.807	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	662429	94.664	ug/L	98
42) Toluene	7.41	91	1049454	46.560	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	371586	45.714	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	255200	48.618	ug/L	99
46) Tetrachloroethene	8.00	164	187298	48.649	ug/L	96
48) 2-Hexanone	8.16	43	523107	98.719	ug/L	99
49) Dibromochloromethane	8.27	129	275098	47.856	ug/L	100
50) 1,2-Dibromoethane	8.37	107	271039	48.372	ug/L	100
51) Chlorobenzene	8.90	112	706536	47.827	ug/L	98
52) Ethylbenzene	9.04	91	1187254	46.929	ug/L	100
53) m,p-Xylene	9.16	106	464265	47.657	ug/L	99
54) o-xylene	9.57	106	465581	47.712	ug/L	99
55) Styrene	9.58	104	785064	48.381	ug/L	98
56) Isopropylbenzene	9.95	105	1202108	47.557	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	399165	47.367	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	315971	47.011	ug/L	98
61) Bromoform	9.75	173	177499	47.087	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	542663	47.764	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	544556	47.260	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	549178	47.392	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	99698	43.571	ug/L	92
67) 1,3,5-Trichlorobenzene	12.67	180	358689	47.638	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	337346	49.050	ug/L	99
69) Naphthalene	13.53	128	1304086	49.597	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	345440	48.760	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 45.841 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015384.D

Acq: 02 Apr 2020 19:39

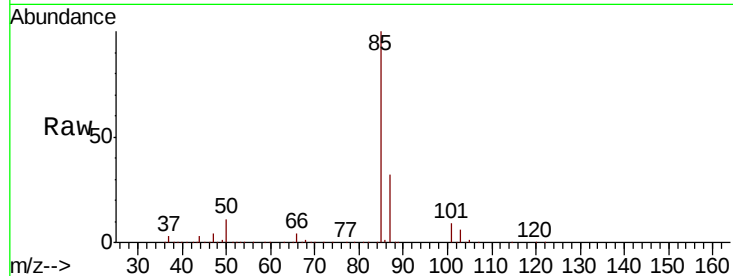
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 293284

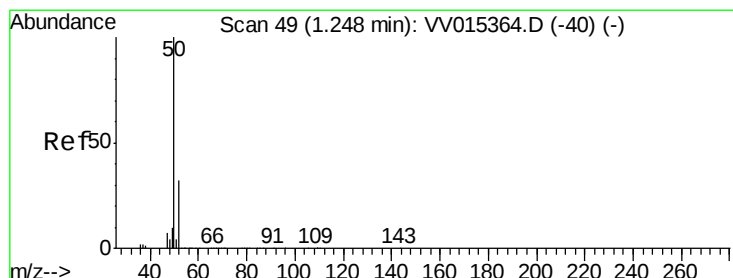
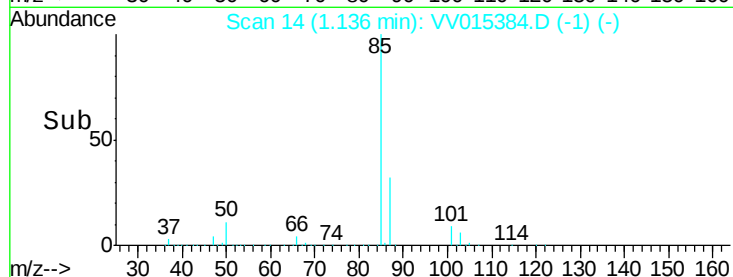
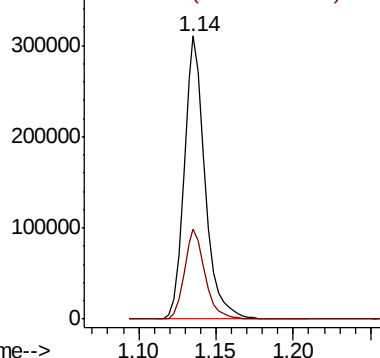
Ion Ratio Lower Upper

85 100

87 31.6 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: 42.878 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV015384.D

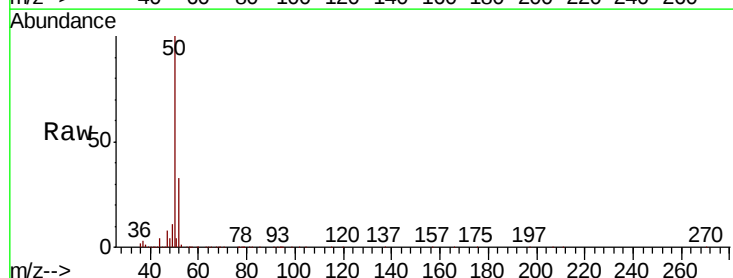
Acq: 02 Apr 2020 19:39

Tgt Ion: 50 Resp: 258532

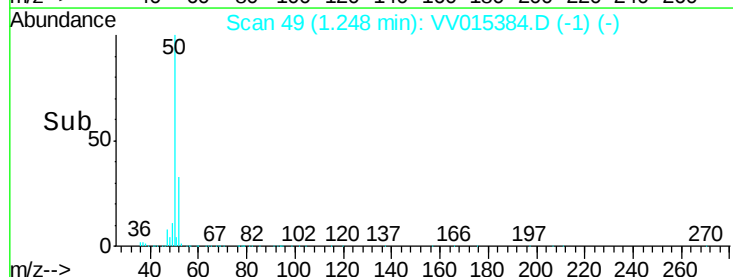
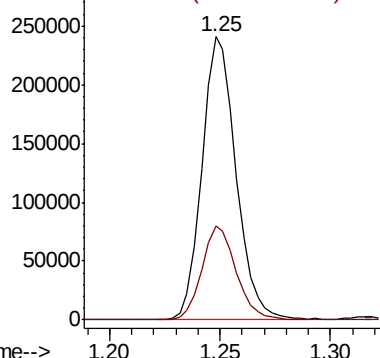
Ion Ratio Lower Upper

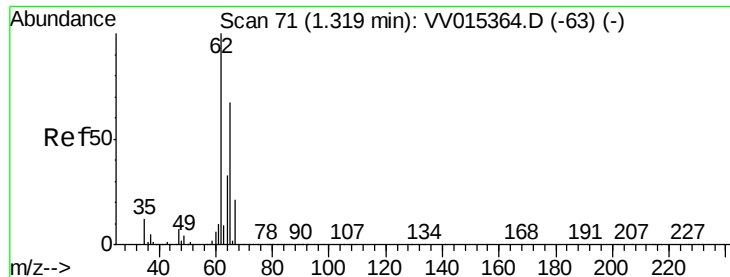
50 100

52 33.0 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: 43.440 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV015384.D

Acq: 02 Apr 2020 19:39

Instrument :

MSVOA_V

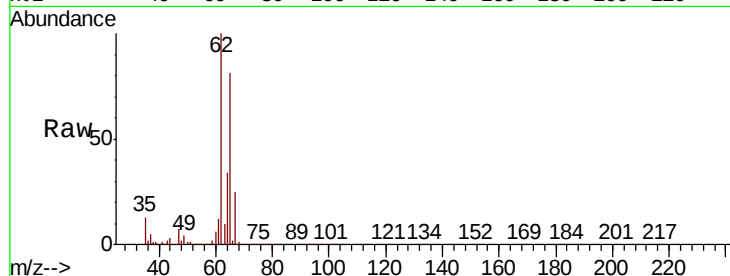
ClientSampled :

Tot Ion: 62 Resp: 274348

Ion Ratio Lower Upper

62 100

64 34.1 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

250000

200000

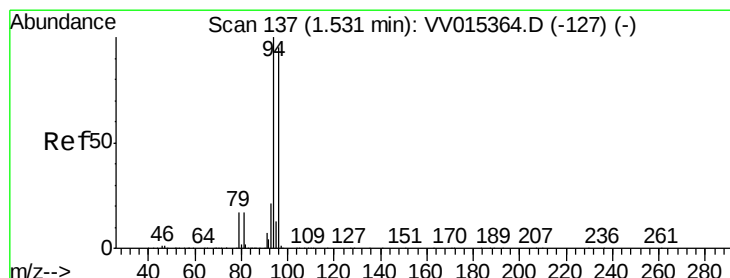
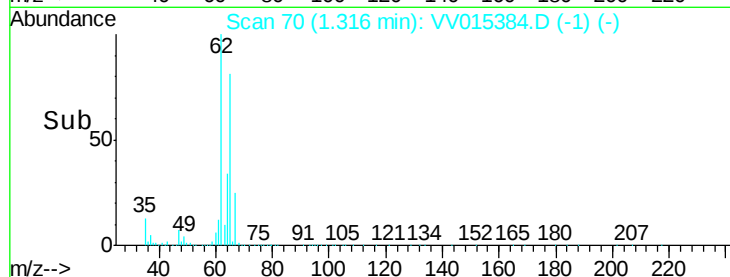
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 44.488 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV015384.D

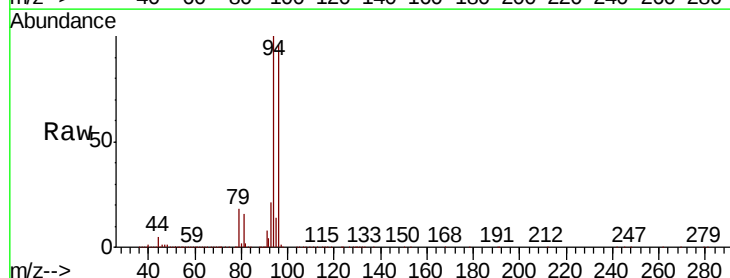
Acq: 02 Apr 2020 19:39

Tgt Ion: 94 Resp: 185733

Ion Ratio Lower Upper

94 100

96 95.7 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

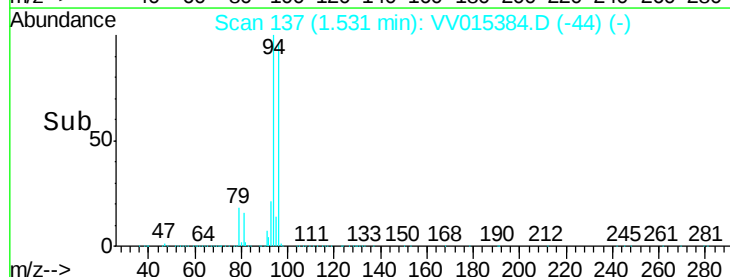
150000

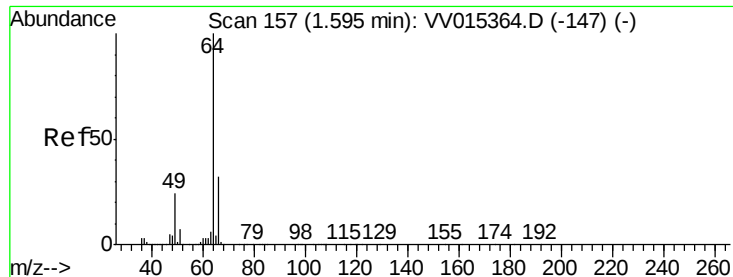
100000

50000

0

Time--> 1.50 1.55 1.60

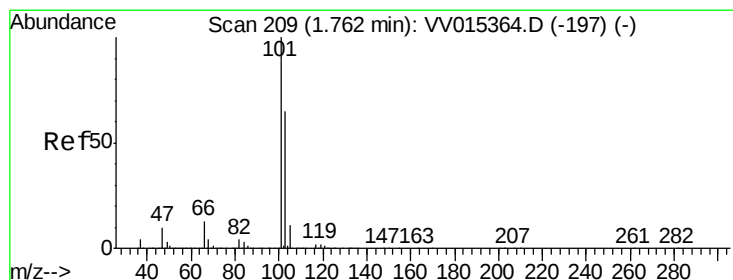
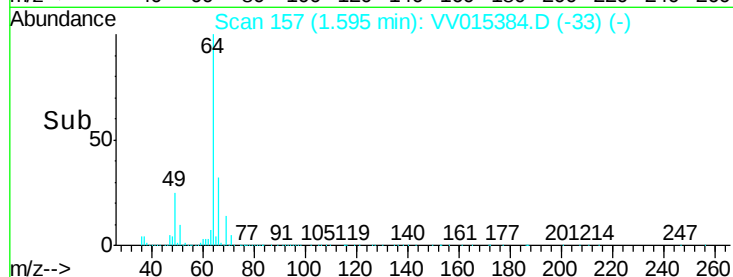
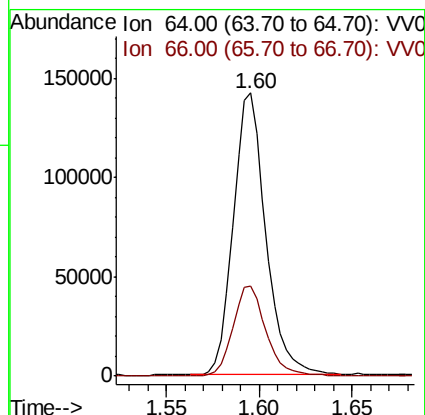
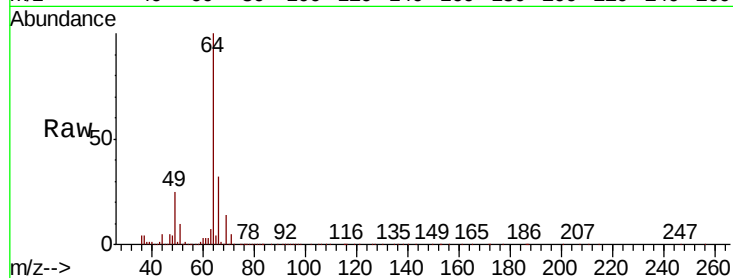




#8
Chloroethane
Concen: 39.819 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV015384.D
Acq: 02 Apr 2020 19:39

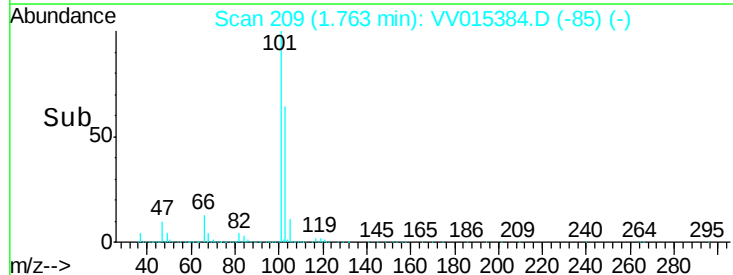
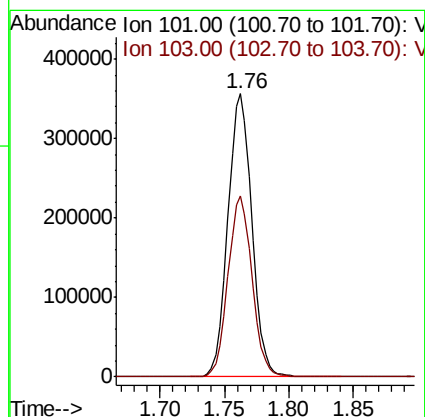
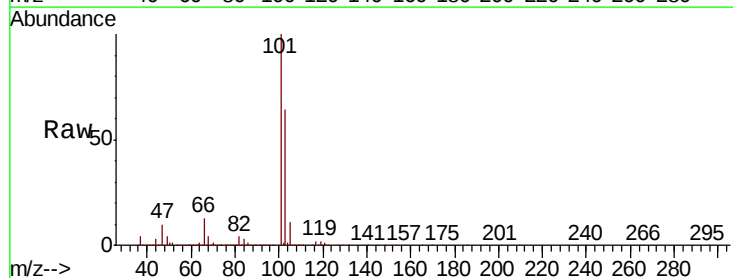
Instrument :
MSVOA_V
ClientSampleId :

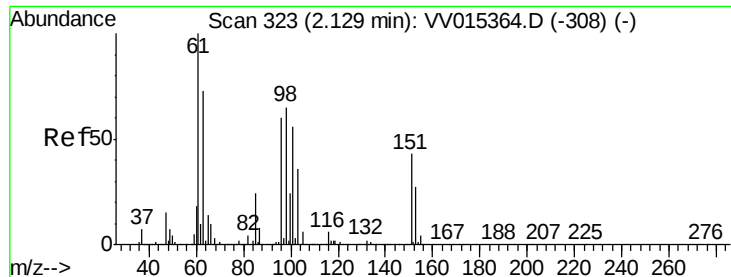
Tot Ion: 64 Resp: 172758
Ion Ratio Lower Upper
64 100
66 31.8 22.3 41.3



#9
Trichlorofluoromethane
Concen: 38.359 ug/L
RT: 1.76 min Scan# 209
Delta R.T. 0.00 min
Lab File: VV015384.D
Acq: 02 Apr 2020 19:39

Tgt Ion: 101 Resp: 458030
Ion Ratio Lower Upper
101 100
103 64.1 52.3 78.5





#10

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

Concen: 46.649 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015384.D

Acq: 02 Apr 2020 19:39

Instrument :

MSVOA_V

ClientSampleId :

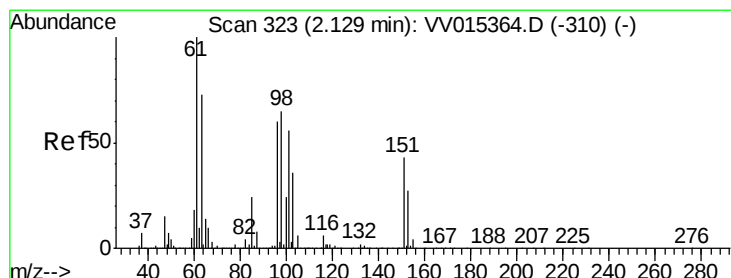
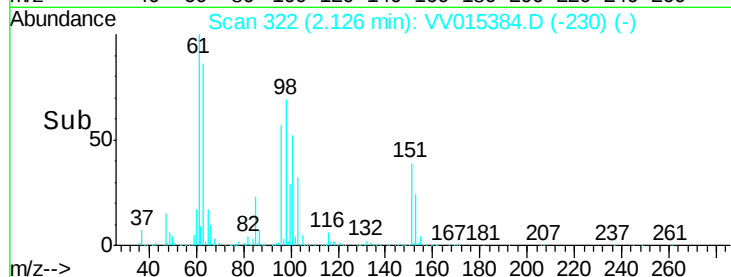
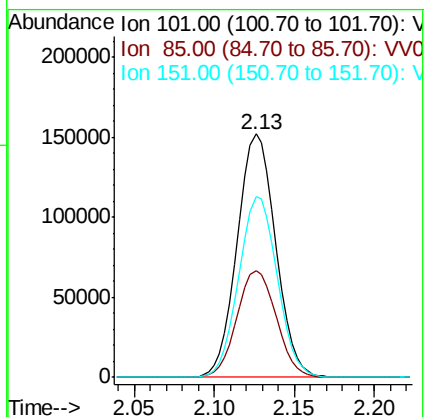
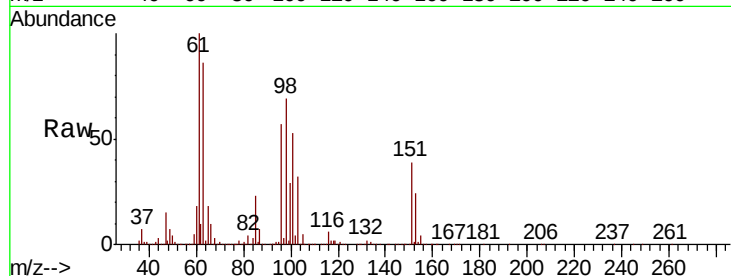
Tot Ion:101 Resp: 248917

Ion Ratio Lower Upper

101 100

85 44.9 36.1 54.1

151 74.5 58.2 87.4



#12

1,1-Dichloroethene

Concen: 47.268 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015384.D

Acq: 02 Apr 2020 19:39

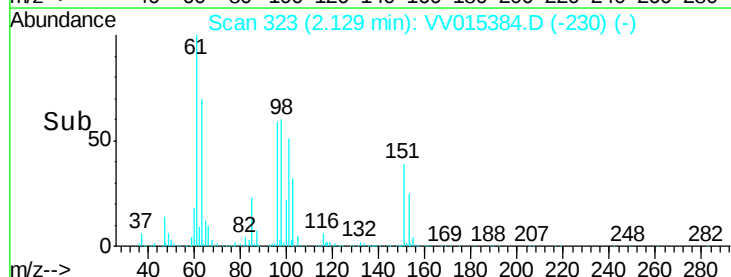
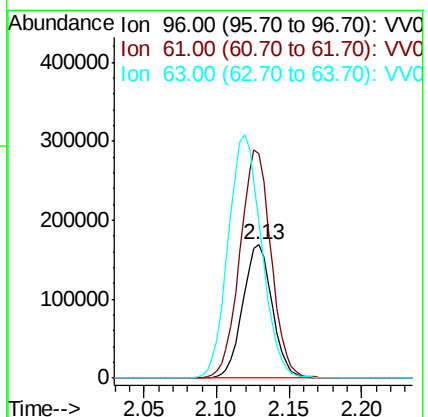
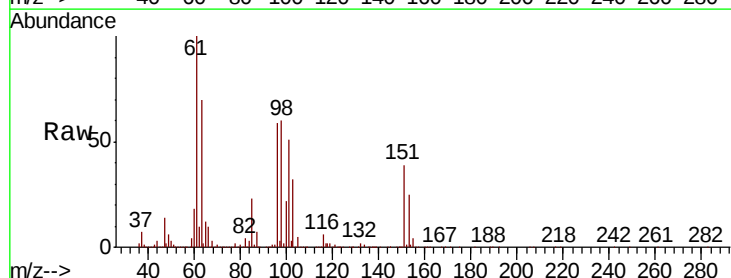
Tgt Ion: 96 Resp: 239350

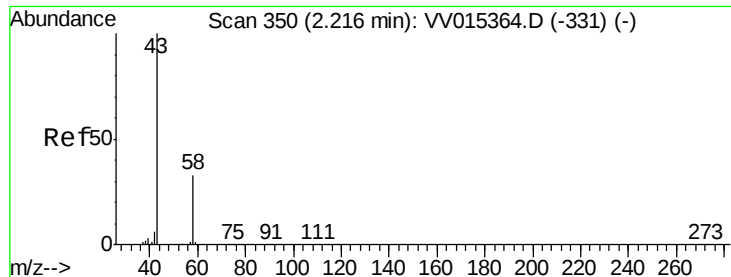
Ion Ratio Lower Upper

96 100

61 168.3 118.0 219.2

63 117.4 92.3 171.3





#13

Acetone

Concen: 94.416 ug/L

RT: 2.22 min Scan# 351

Delta R.T. 0.00 min

Lab File: VV015384.D

Acq: 02 Apr 2020 19:39

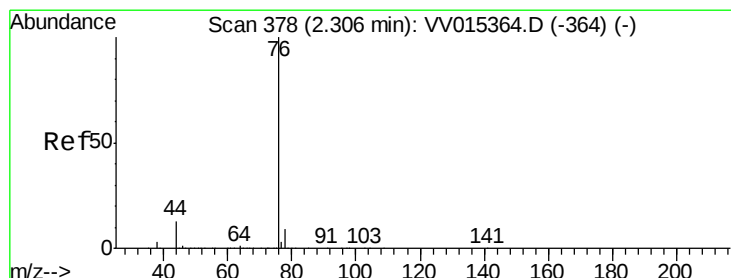
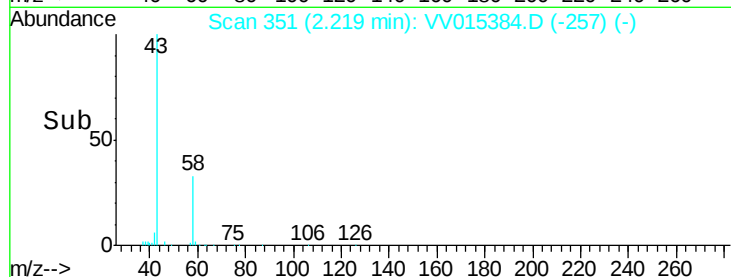
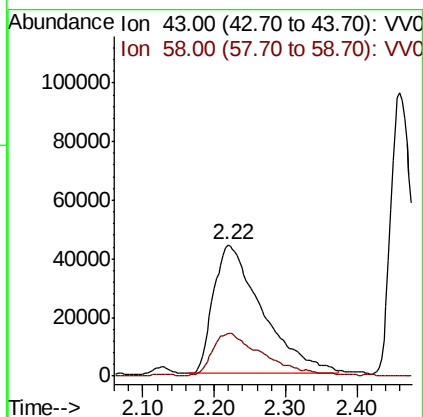
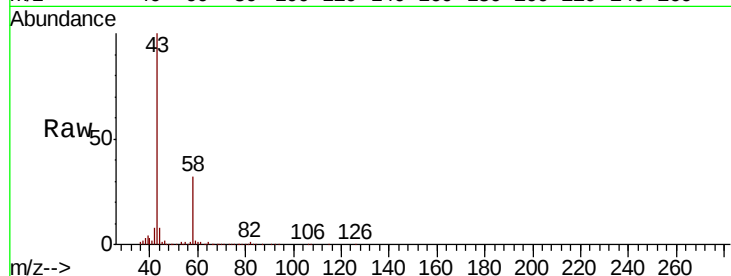
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 208953

Ion Ratio Lower Upper

43 100 0.0 68.2

58 30.6 0.0 68.2



#14

Carbon disulfide

Concen: 44.168 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV015384.D

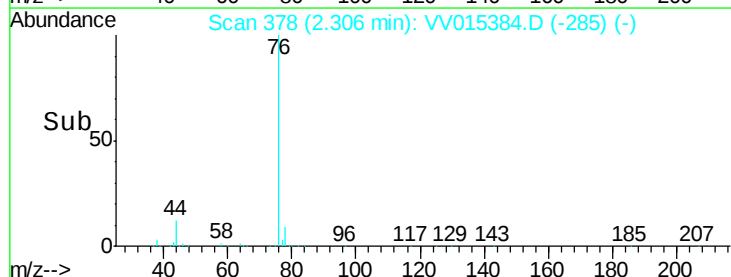
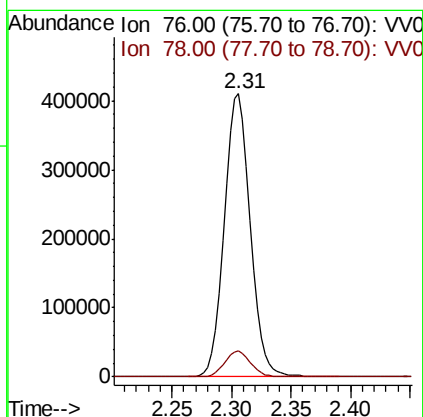
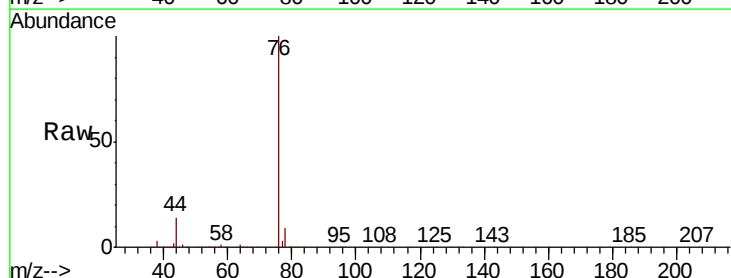
Acq: 02 Apr 2020 19:39

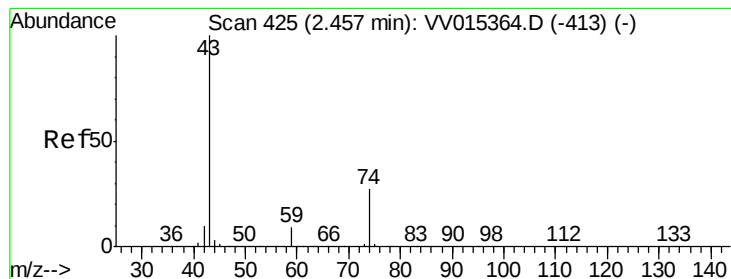
Tgt Ion: 76 Resp: 618549

Ion Ratio Lower Upper

76 100 7.4 11.2

78 9.0 7.4 11.2





#15

Methyl Acetate

Concen: 48.480 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: VV015384.D

Acq: 02 Apr 2020 19:39

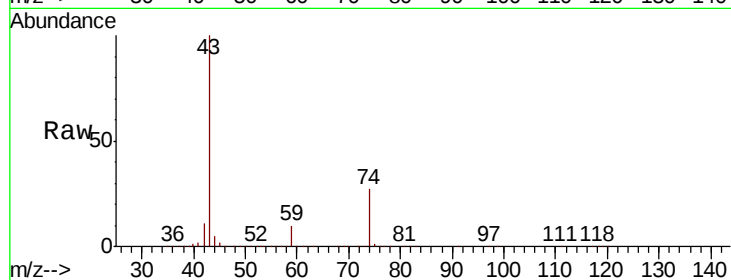
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 234981

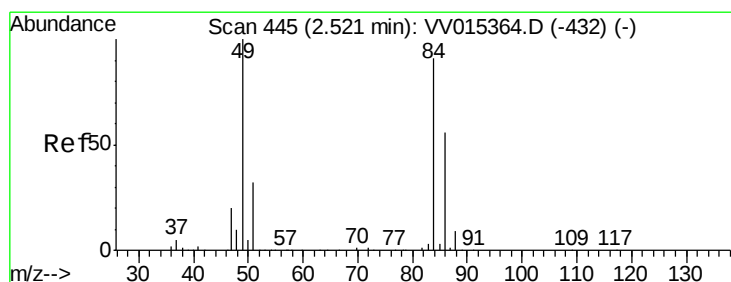
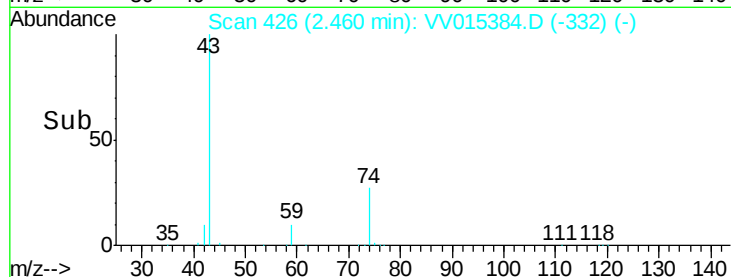
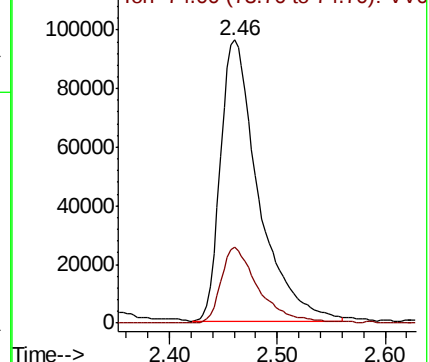
Ion Ratio Lower Upper

43 100

74 26.5 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 46.597 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV015384.D

Acq: 02 Apr 2020 19:39

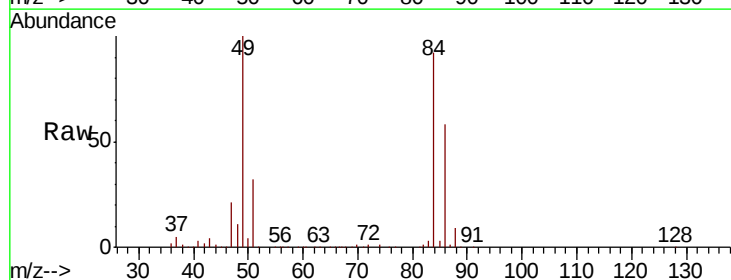
Tgt Ion: 84 Resp: 249526

Ion Ratio Lower Upper

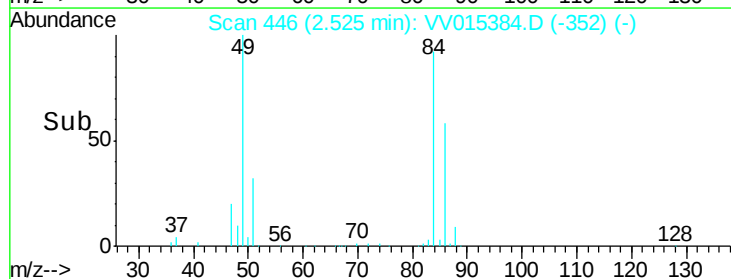
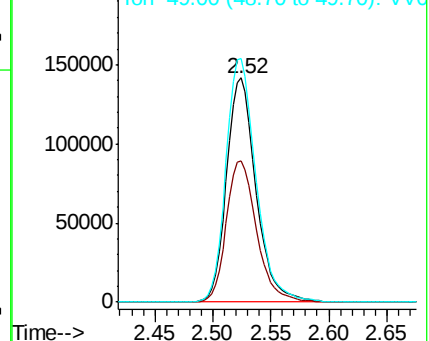
84 100

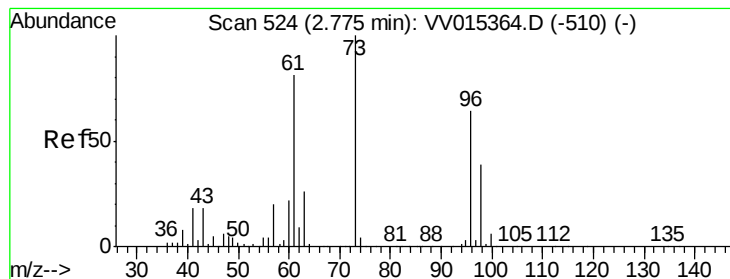
86 63.2 45.1 83.9

49 108.7 81.2 150.8



Abundance Ion 84.00 (83.70 to 84.70): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 47.357 ug/L

RT: 2.78 min Scan# 524

Delta R.T. 0.00 min

Lab File: VV015384.D

Acq: 02 Apr 2020 19:39

Instrument :
MSVOA_V
ClientSampled :

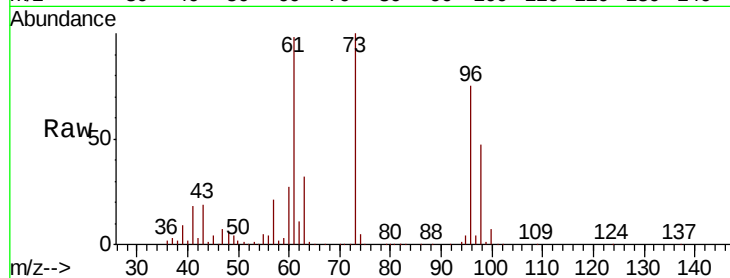
Tot Ion: 96 Resp: 228909

Ion Ratio Lower Upper

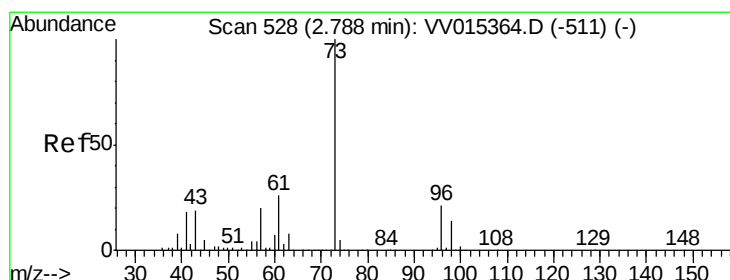
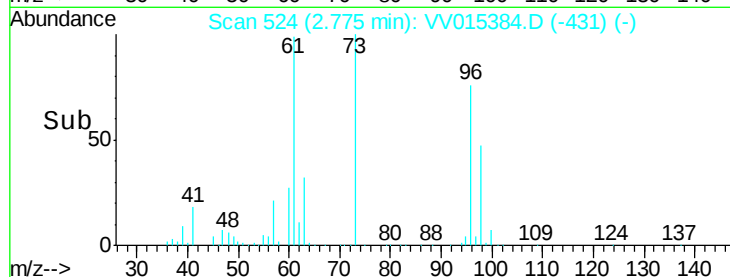
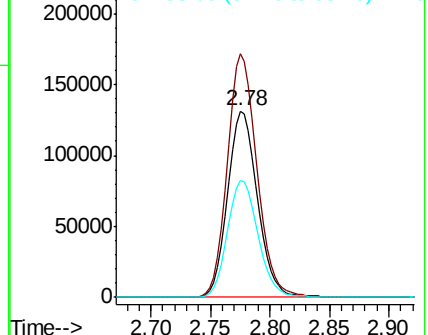
96 100

61 130.5 95.2 176.8

98 62.4 45.1 83.9



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 47.637 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV015384.D

Acq: 02 Apr 2020 19:39

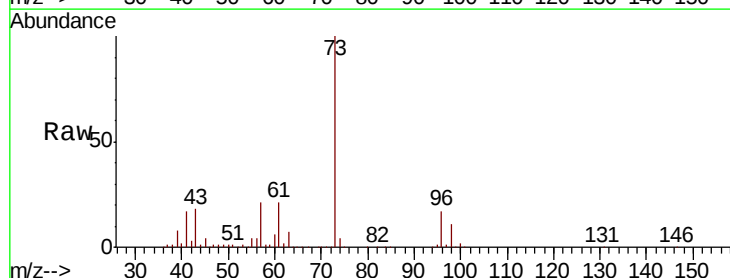
Tgt Ion: 73 Resp: 759089

Ion Ratio Lower Upper

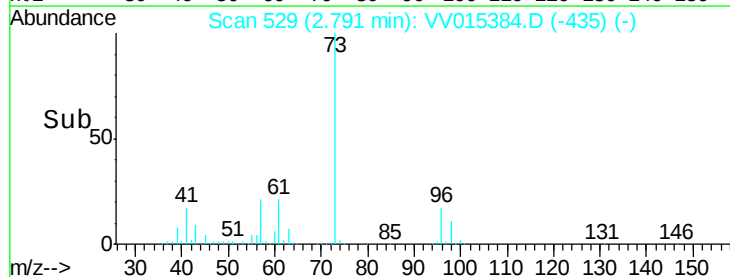
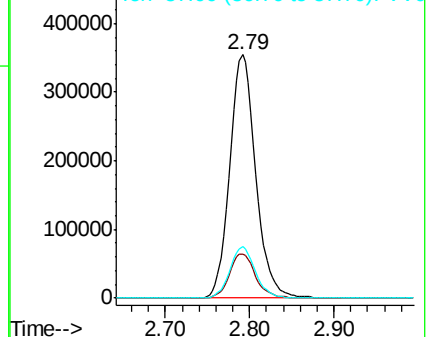
73 100

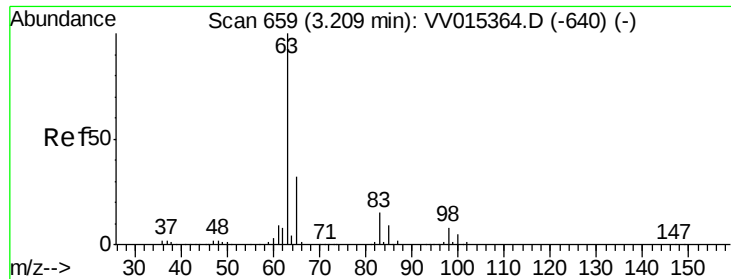
43 18.0 15.4 23.0

57 20.4 16.3 24.5



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

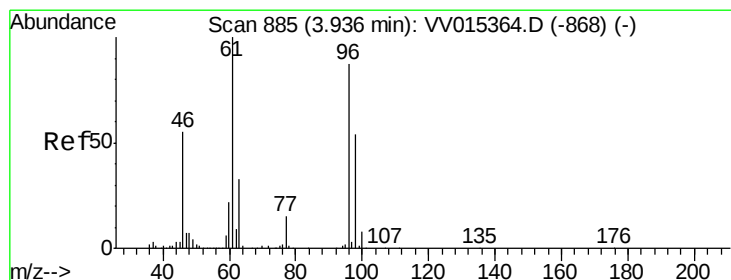
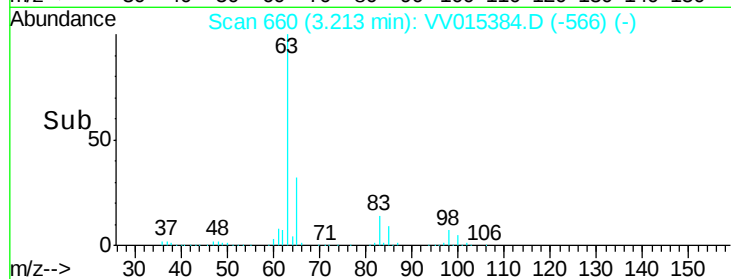
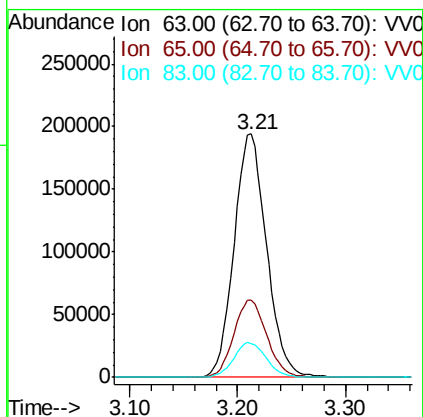
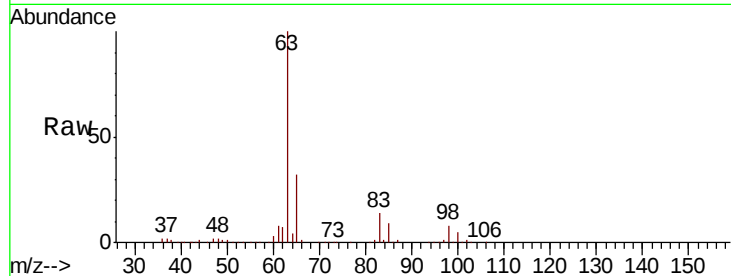




#19
 1,1-Dichloroethane
 Concen: 46.360 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV015384.D
 Acq: 02 Apr 2020 19:39

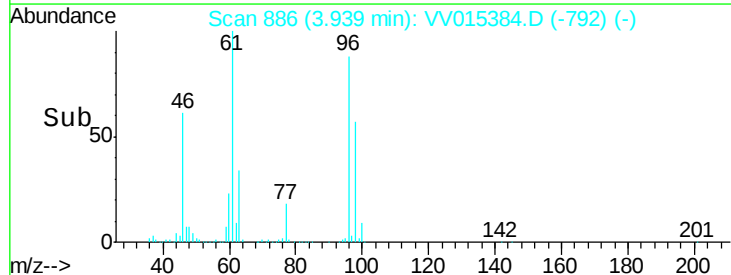
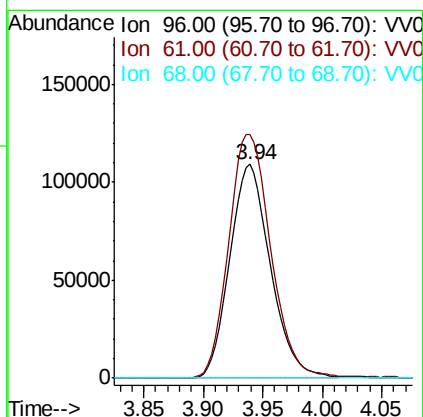
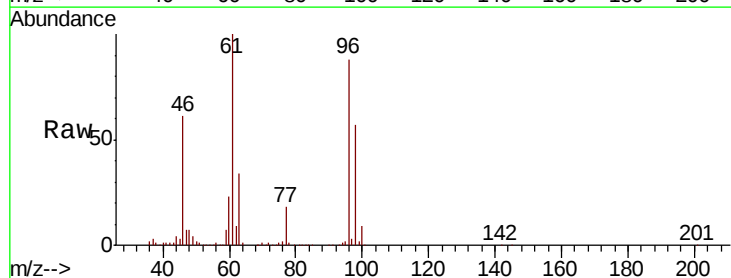
Instrument :
 MSVOA_V
 ClientSampled :

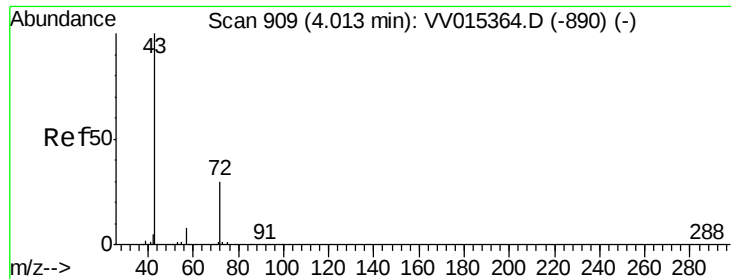
Tot Ion: 63 Resp: 407721
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.3 41.5
 83 13.9 10.2 19.0



#20
 cis-1,2-Dichloroethene
 Concen: 46.683 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV015384.D
 Acq: 02 Apr 2020 19:39

Tgt Ion: 96 Resp: 258204
 Ion Ratio Lower Upper
 96 100
 61 113.6 86.4 160.4
 68 0.2 0.1 0.3

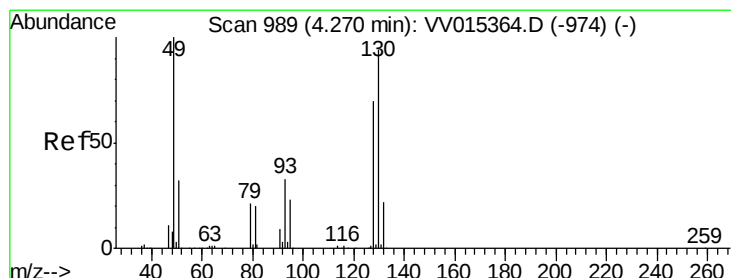
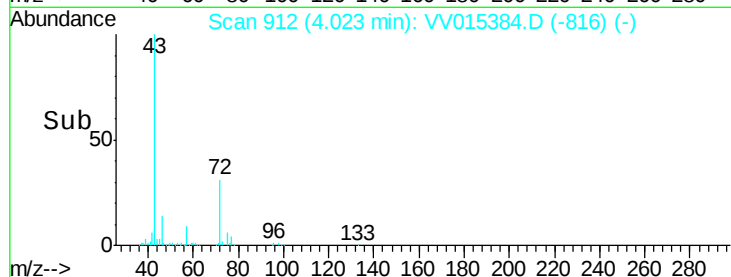
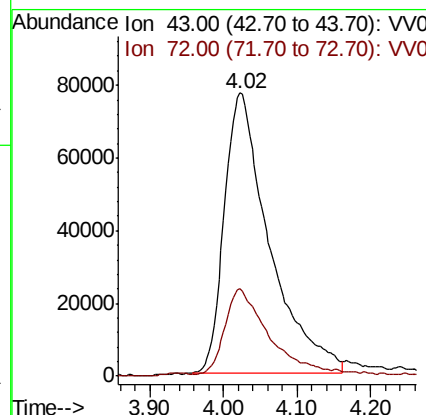
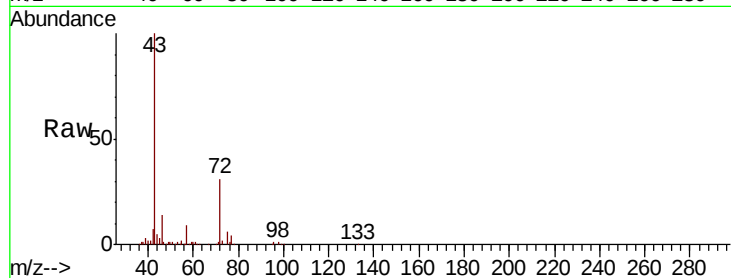




#22
2-Butanone
Concen: 100.007 ug/L
RT: 4.02 min Scan# 912
Delta R.T. 0.01 min
Lab File: VV015384.D
Acq: 02 Apr 2020 19:39

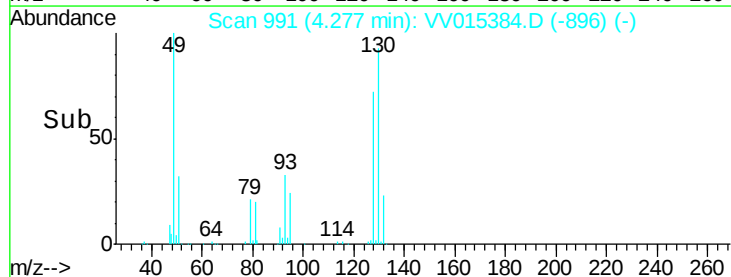
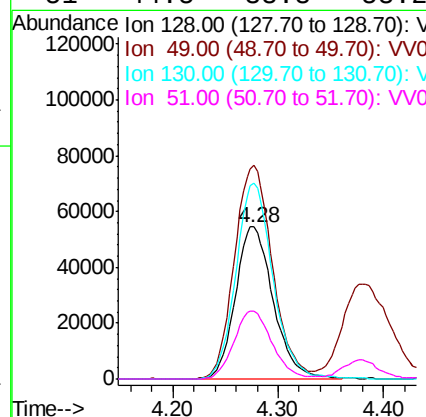
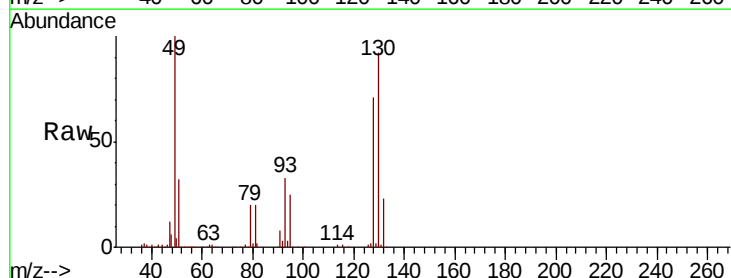
Instrument :
MSVOA_V
ClientSampleId :

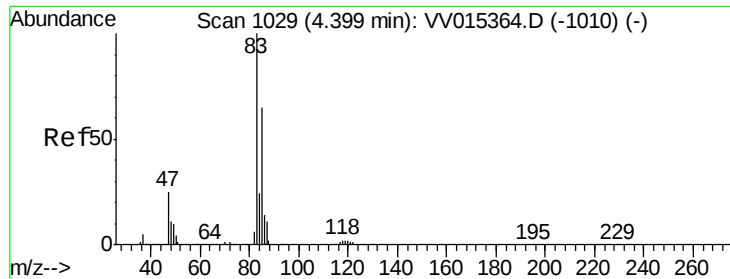
Tot Ion: 43 Resp: 327438
Ion Ratio Lower Upper
43 100
72 27.6 13.3 39.8



#23
Bromochloromethane
Concen: 48.597 ug/L
RT: 4.28 min Scan# 991
Delta R.T. 0.01 min
Lab File: VV015384.D
Acq: 02 Apr 2020 19:39

Tgt Ion: 128 Resp: 135753
Ion Ratio Lower Upper
128 100
49 140.3 107.5 199.7
130 128.5 87.7 162.9
51 44.5 38.8 58.2

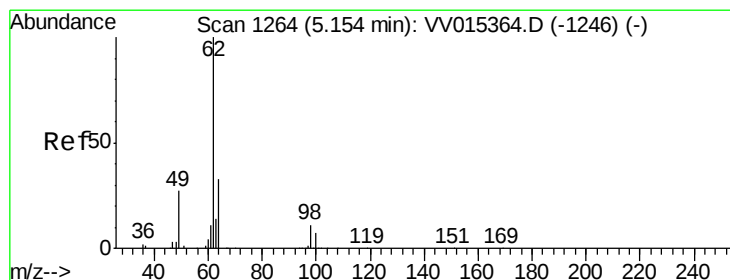
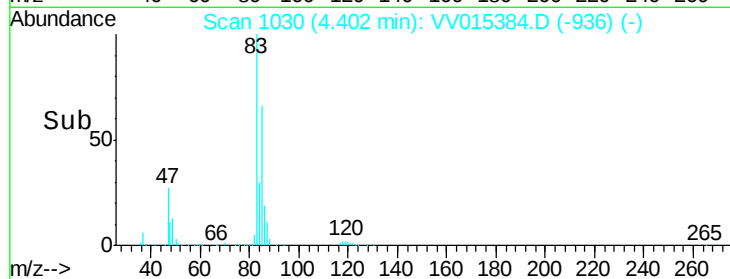
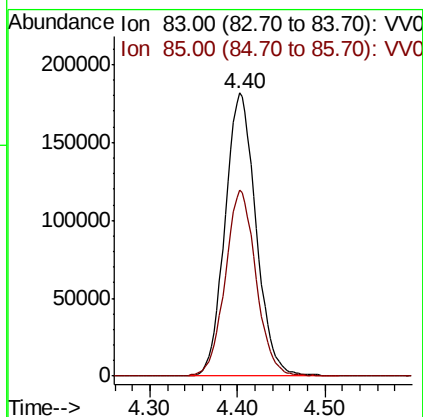
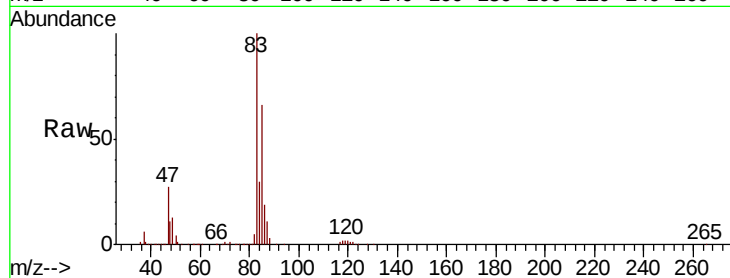




#25
 Chloroform
 Concen: 46.870 ug/L
 RT: 4.40 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VV015384.D
 Acq: 02 Apr 2020 19:39

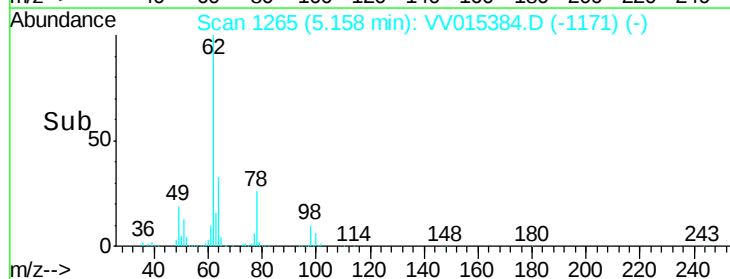
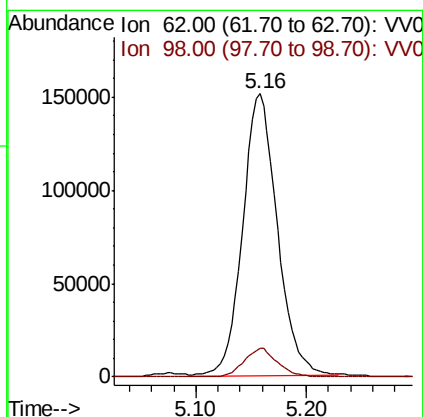
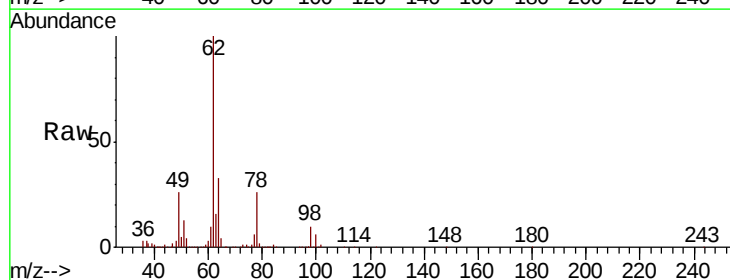
Instrument :
 MSVOA_V
 ClientSampleId :

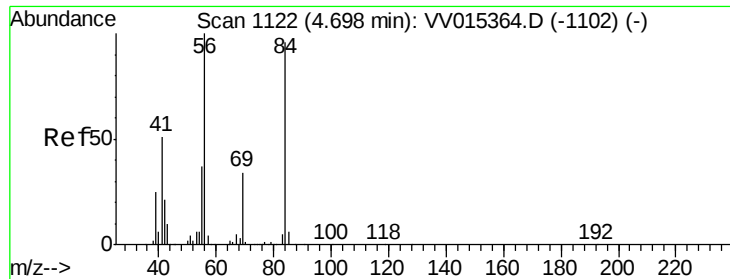
Tot Ion: 83 Resp: 447000
 Ion Ratio Lower Upper
 83 100
 85 65.5 45.1 83.9



#27
 1,2-Dichloroethane
 Concen: 45.706 ug/L
 RT: 5.16 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VV015384.D
 Acq: 02 Apr 2020 19:39

Tgt Ion: 62 Resp: 328303
 Ion Ratio Lower Upper
 62 100
 98 10.3 7.9 11.9

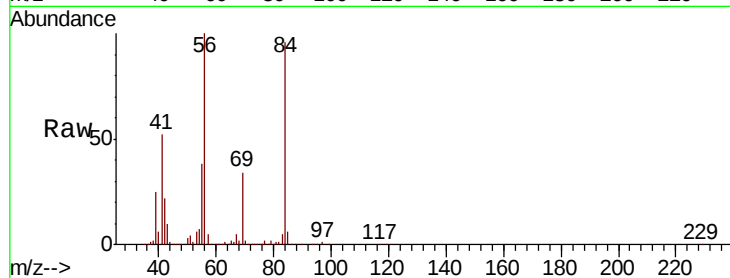




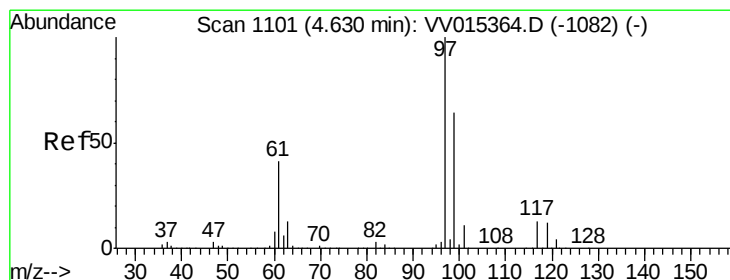
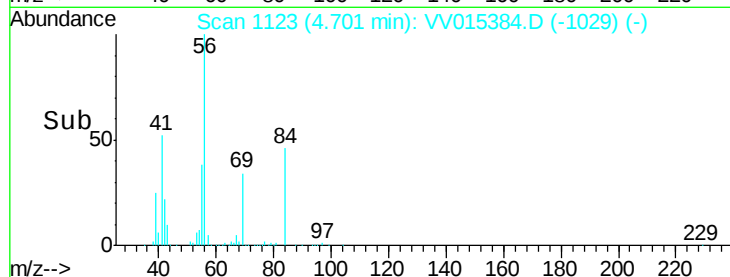
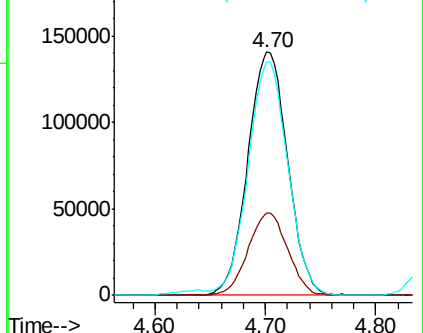
#29
Cvclohexane
Concen: 43.304 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VV015384.D
Acq: 02 Apr 2020 19:39

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	56	Resp	353035
Ion	Ratio	Lower	Upper
56	100		
69	33.5	25.5	38.3
84	95.5	76.3	114.5

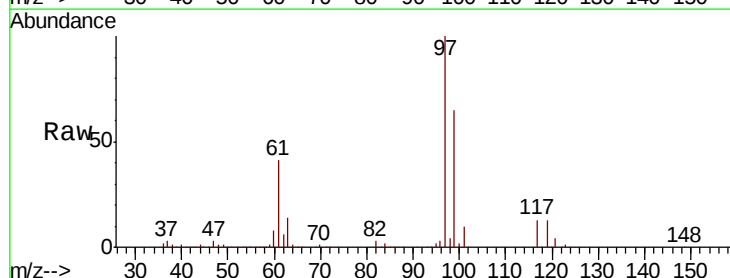


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

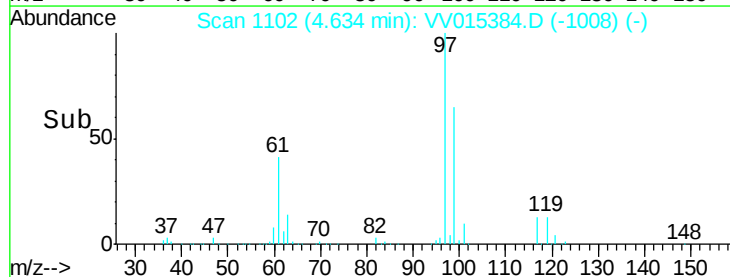
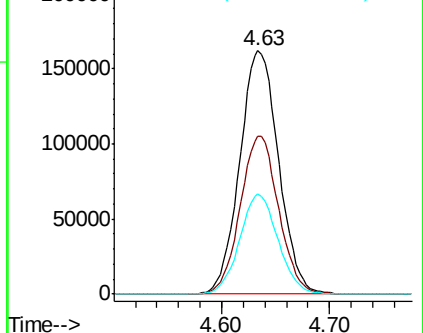


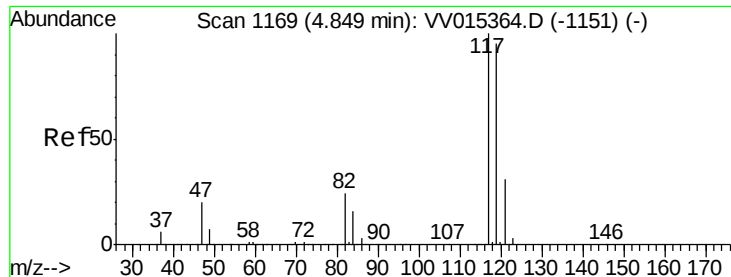
#30
1,1,1-Trichloroethane
Concen: 46.127 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV015384.D
Acq: 02 Apr 2020 19:39

Tgt Ion	97	Resp	406156
Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.6	77.4
61	40.6	33.4	50.0



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0



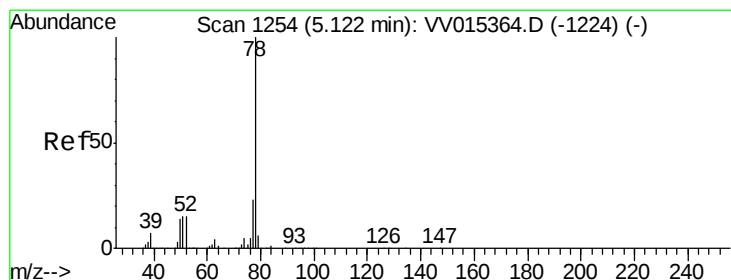
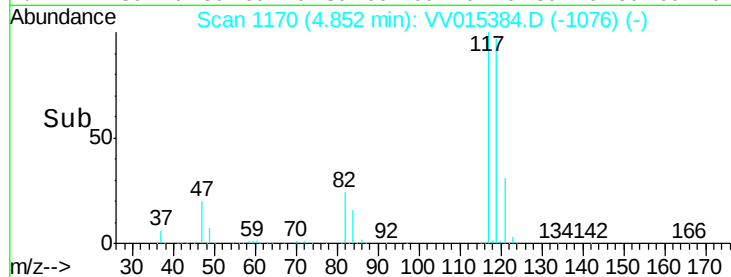
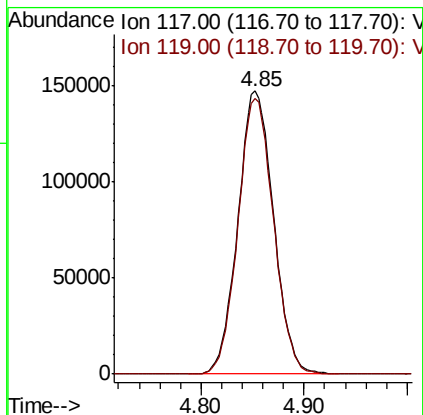
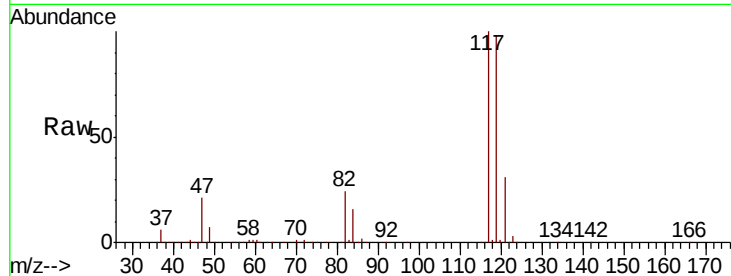


#31

Carbon tetrachloride
Concen: 46.970 ug/L
RT: 4.85 min Scan# 1170
Delta R.T. 0.00 min
Lab File: VV015384.D
Acq: 02 Apr 2020 19:39

Instrument :
MSVOA_V
ClientSampleId :

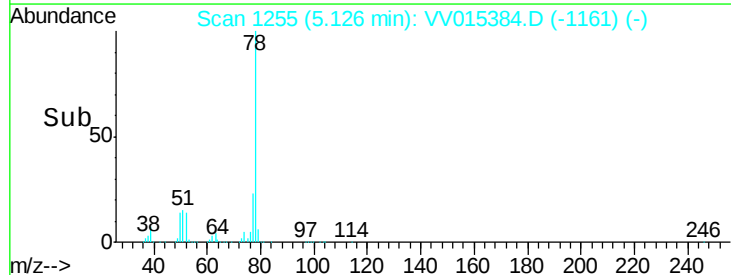
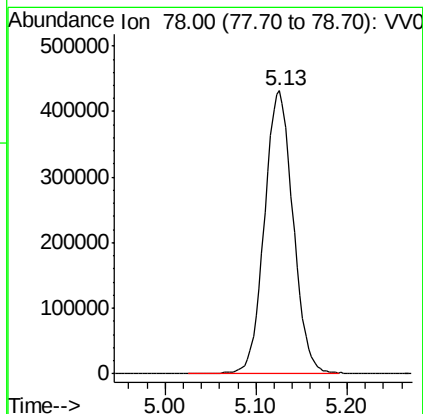
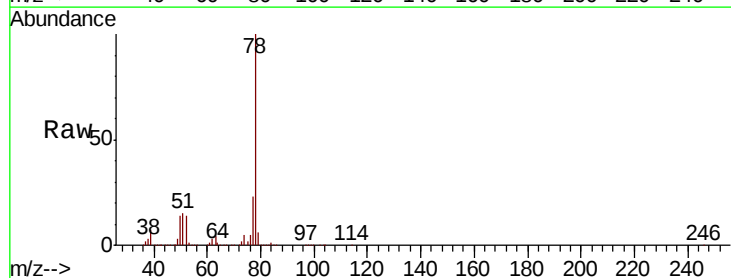
Tot Ion:117 Resp: 353604
Ion Ratio Lower Upper
117 100
119 97.1 76.8 115.2

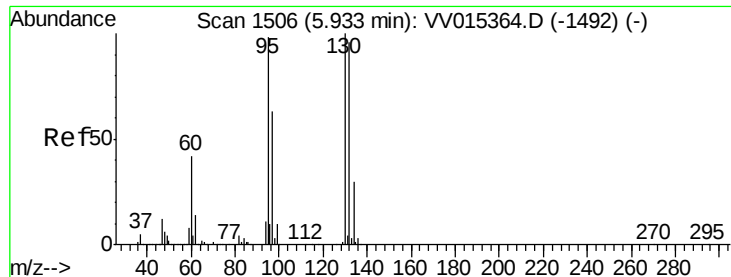


#33

Benzene
Concen: 46.534 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV015384.D
Acq: 02 Apr 2020 19:39

Tgt Ion: 78 Resp: 943788





#34

Trichloroethene

Concen: 47.652 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV015384.D

Acq: 02 Apr 2020 19:39

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 95 Resp: 255901

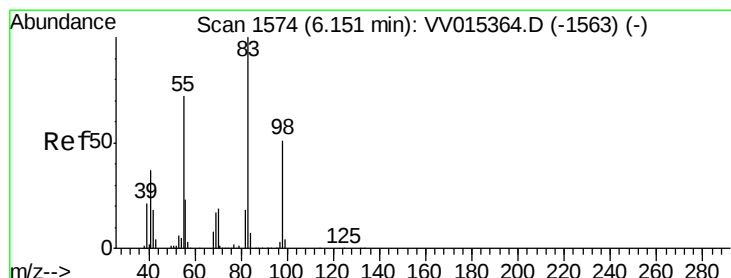
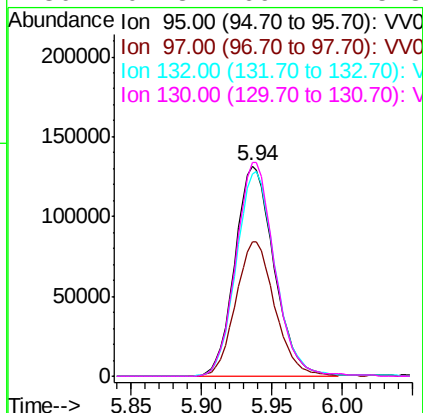
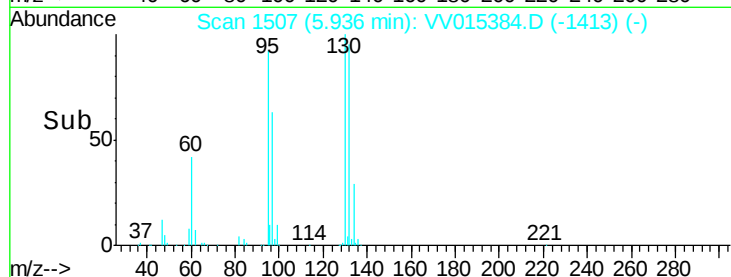
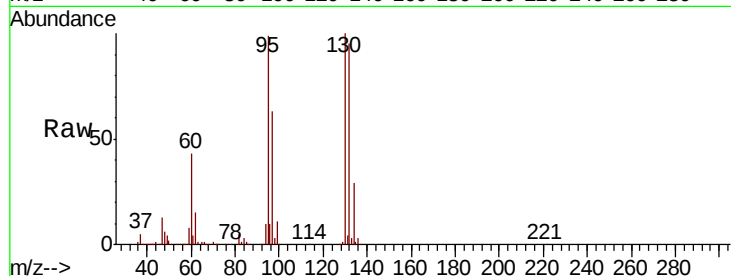
Ion Ratio Lower Upper

95 100

97 63.7 45.4 84.2

132 96.4 66.8 124.2

130 101.3 69.4 128.8



#35

Methylcyclohexane

Concen: 44.364 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV015384.D

Acq: 02 Apr 2020 19:39

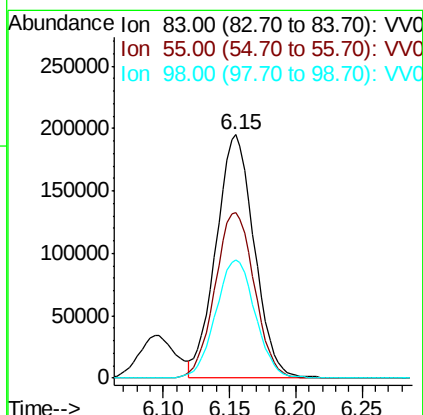
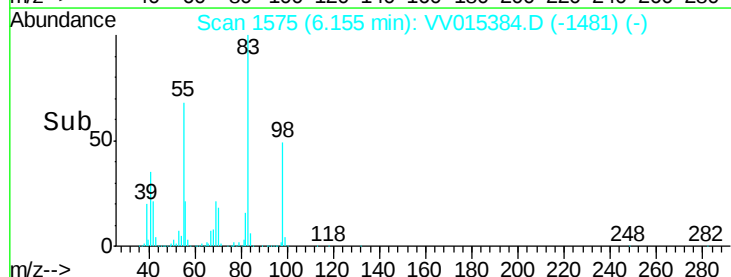
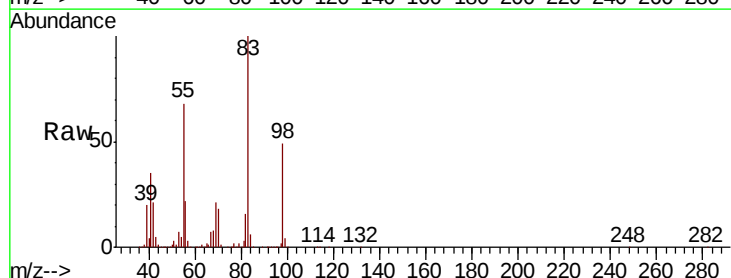
Tgt Ion: 83 Resp: 390326

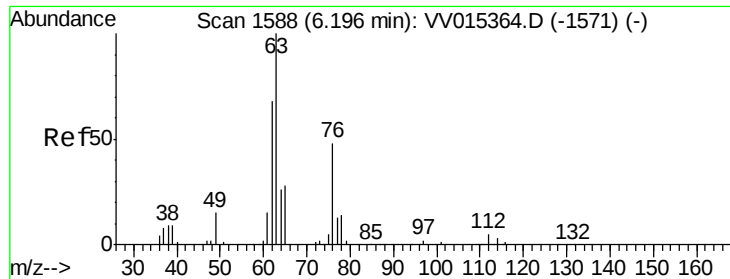
Ion Ratio Lower Upper

83 100

55 69.7 57.9 86.9

98 50.3 40.0 60.0

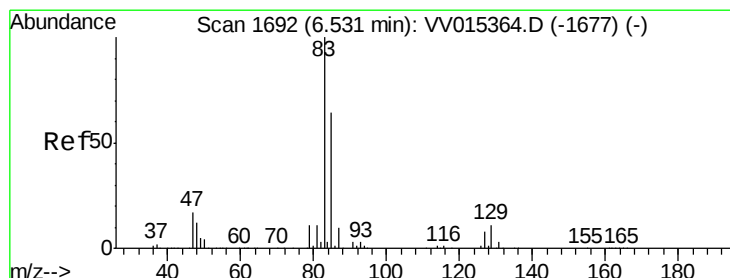
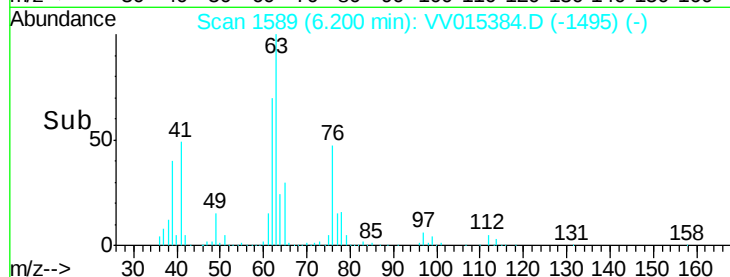
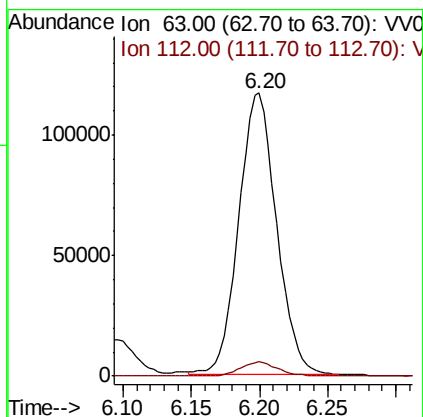
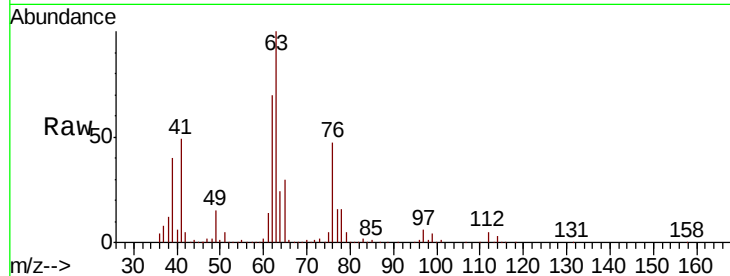




#37
 1,2-Dichloropropane
 Concen: 44.998 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV015384.D
 Acq: 02 Apr 2020 19:39

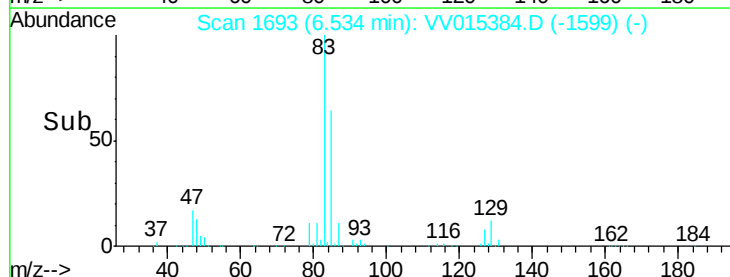
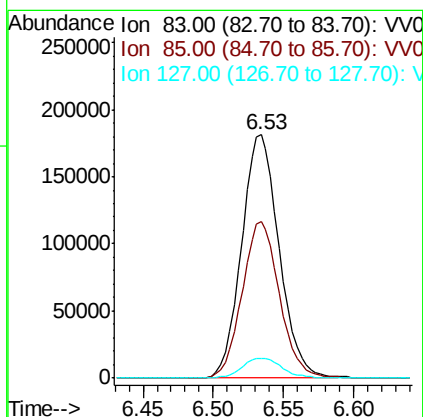
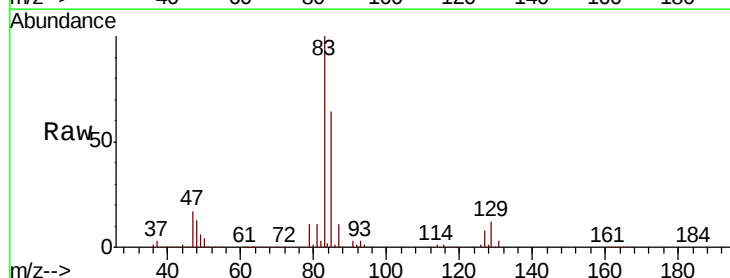
Instrument :
 MSVOA_V
 ClientSampled :

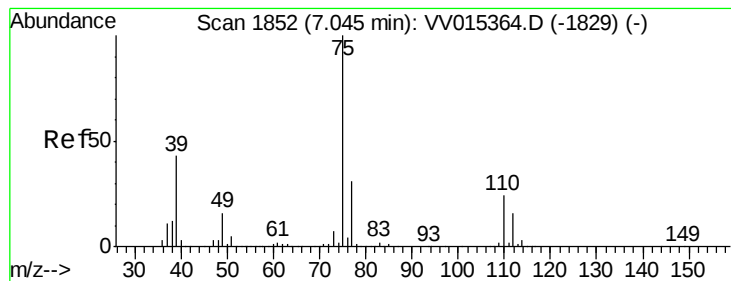
Tot Ion: 63 Resp: 223985
 Ion Ratio Lower Upper
 63 100
 112 5.1 3.8 5.8



#38
 Bromodichloromethane
 Concen: 46.134 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV015384.D
 Acq: 02 Apr 2020 19:39

Tgt Ion: 83 Resp: 336666
 Ion Ratio Lower Upper
 83 100
 85 64.4 43.5 80.9
 127 8.2 6.6 10.0



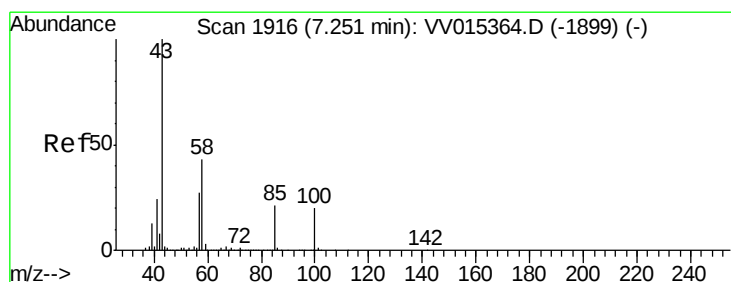
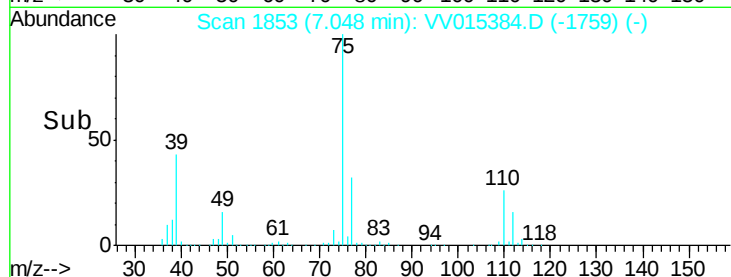
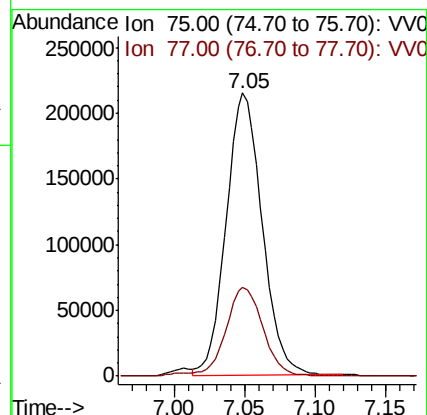
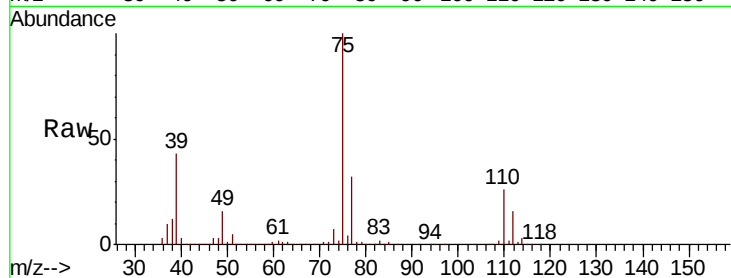


#39

cis-1,3-Dichloropropene
 Concen: 45.807 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV015384.D
 Acq: 02 Apr 2020 19:39

Instrument :
 MSVOA_V
 ClientSampleId :

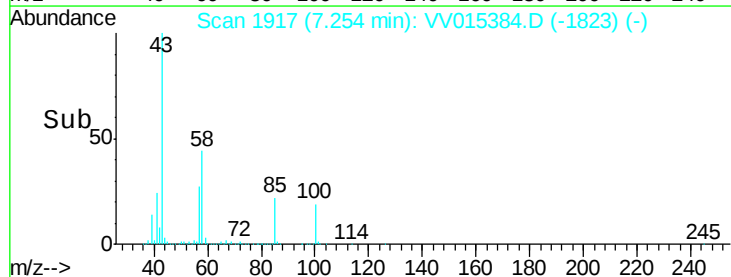
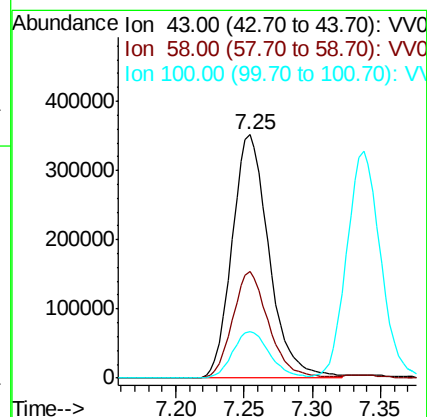
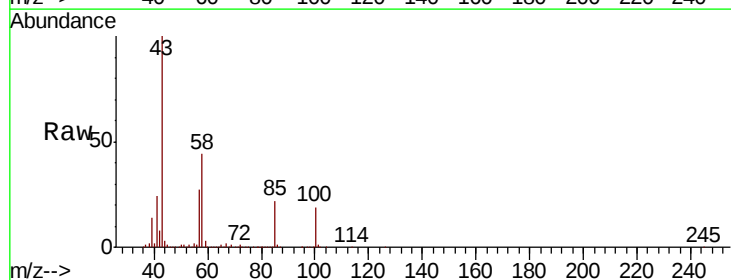
Tot Ion: 75 Resp: 383180
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.5 41.9

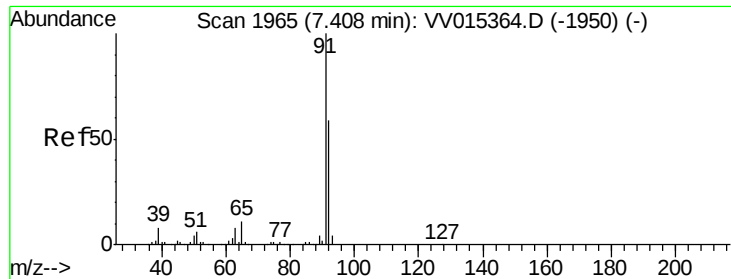


#40

4-Methyl-2-pentanone
 Concen: 94.664 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VV015384.D
 Acq: 02 Apr 2020 19:39

Tgt Ion: 43 Resp: 662429
 Ion Ratio Lower Upper
 43 100
 58 42.8 33.3 49.9
 100 19.3 14.6 22.0





#42

Toluene

Concen: 46.560 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015384.D

Acq: 02 Apr 2020 19:39

Instrument :

MSVOA_V

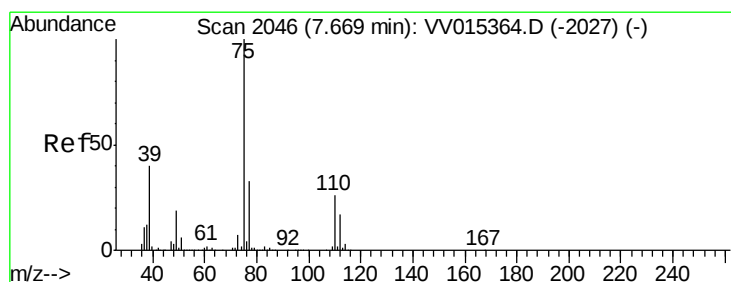
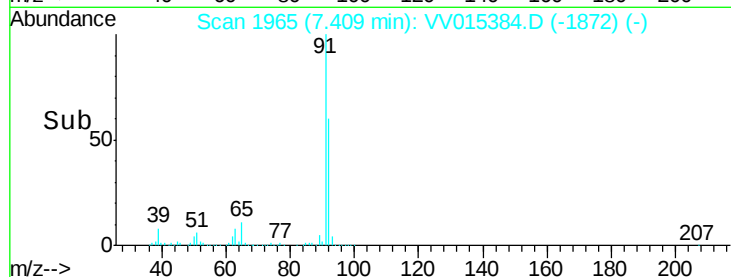
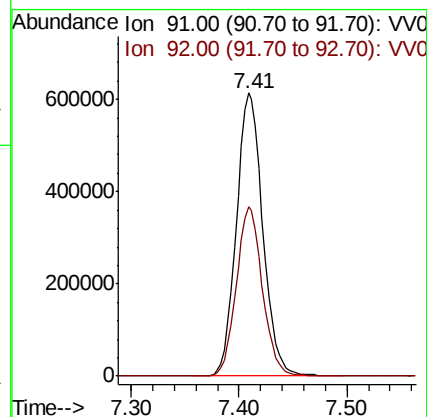
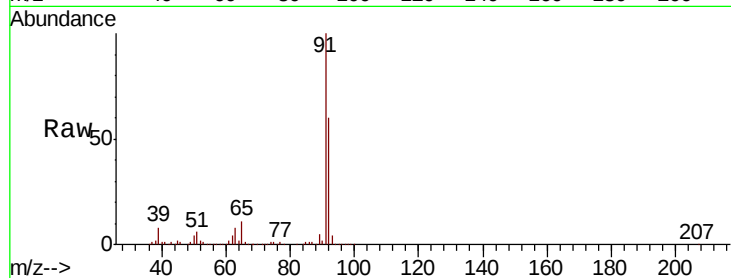
ClientSampleId :

Tot Ion: 91 Resp: 1049454

Ion Ratio Lower Upper

91 100

92 60.0 41.0 76.2



#44

trans-1,3-Dichloropropene

Concen: 45.714 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015384.D

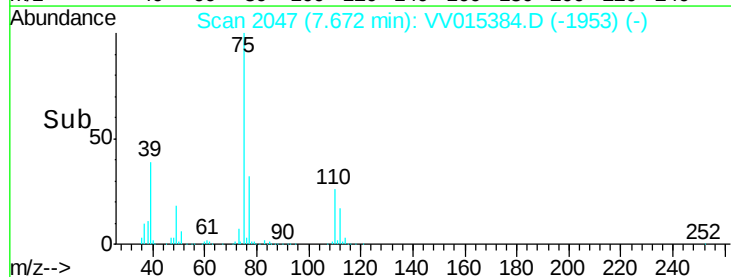
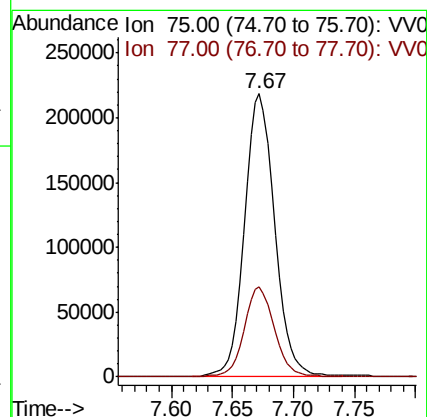
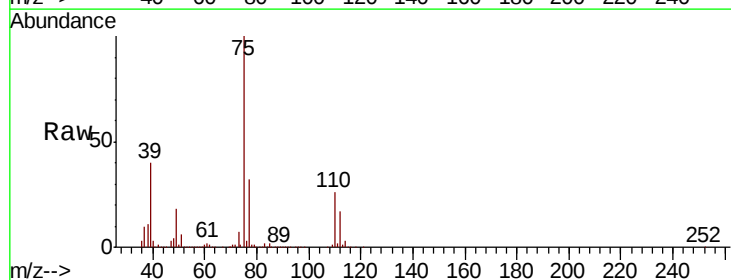
Acq: 02 Apr 2020 19:39

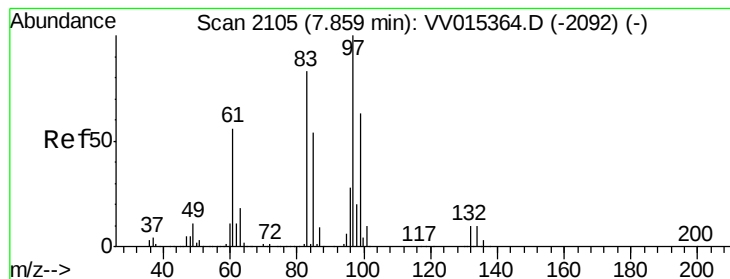
Tgt Ion: 75 Resp: 371586

Ion Ratio Lower Upper

75 100

77 31.8 22.5 41.7





#45

1,1,2-Trichloroethane

Concen: 48.618 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VV015384.D

Acq: 02 Apr 2020 19:39

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 255200

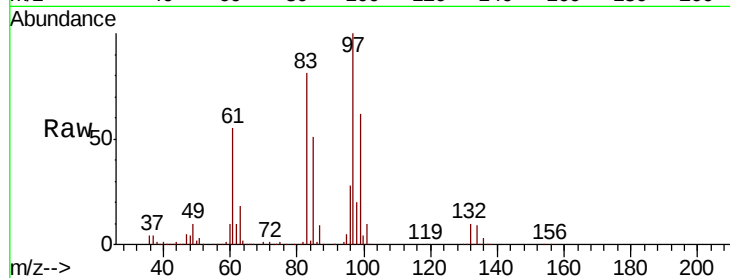
Ion Ratio Lower Upper

97 100

99 61.7 43.5 80.7

83 81.2 57.3 106.5

85 51.2 37.7 70.1

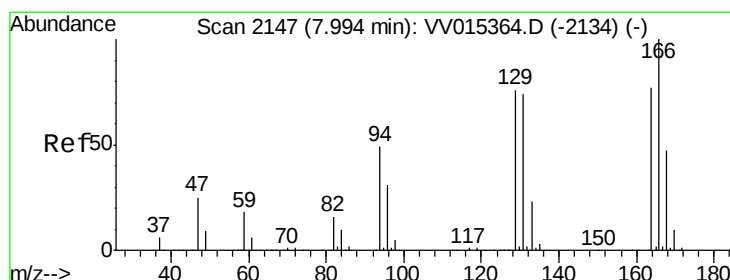
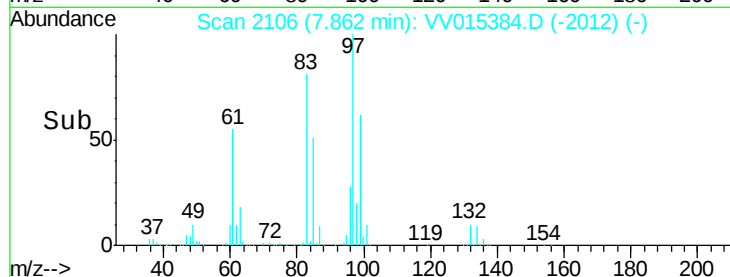
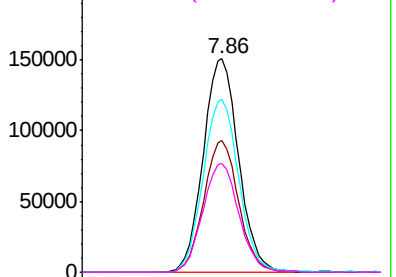


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 48.649 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV015384.D

Acq: 02 Apr 2020 19:39

Tgt Ion: 164 Resp: 187298

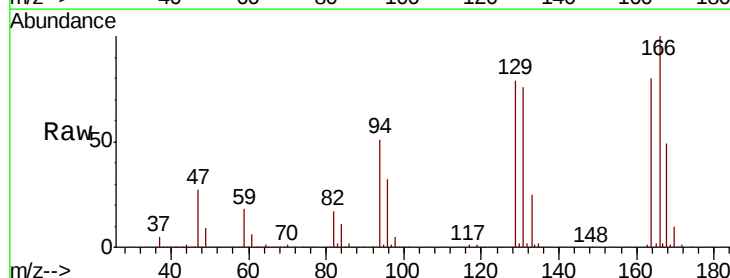
Ion Ratio Lower Upper

164 100

129 99.1 73.8 137.0

131 95.7 69.4 129.0

166 125.2 89.7 166.7

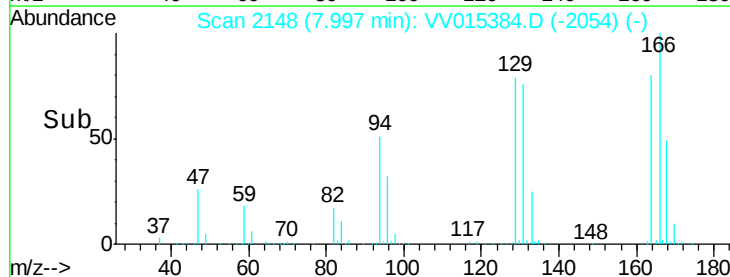
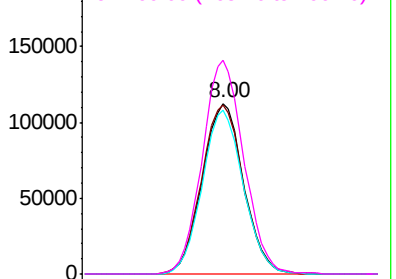


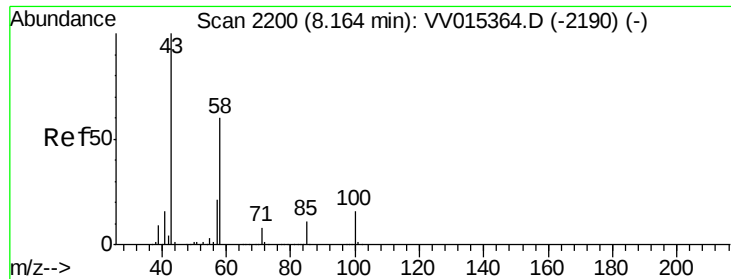
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

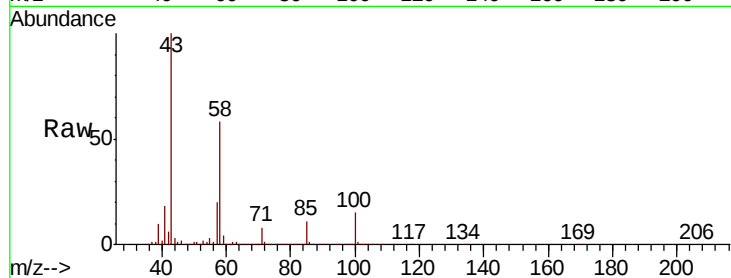




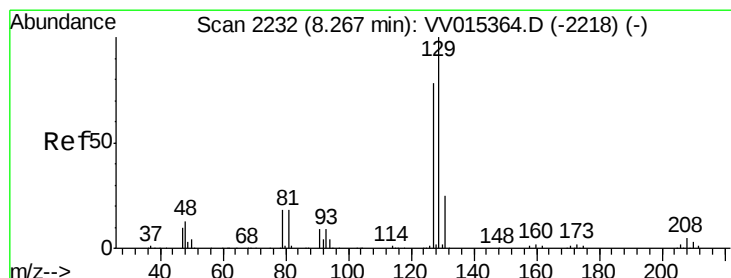
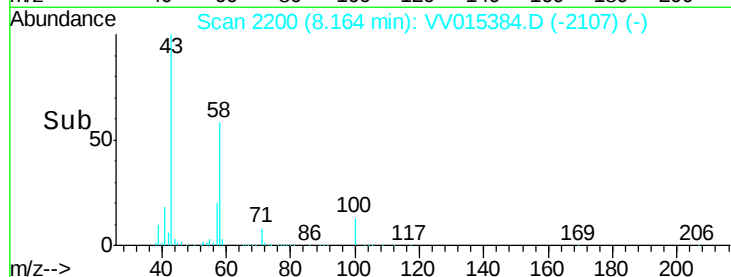
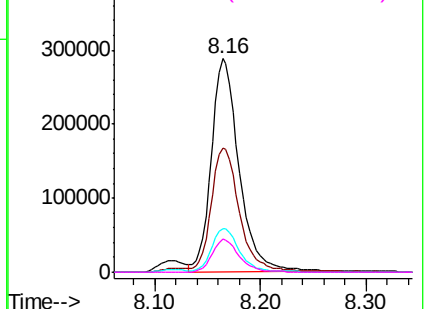
#48
2-Hexanone
Concen: 98.719 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV015384.D
Acq: 02 Apr 2020 19:39

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 523107
Ion Ratio Lower Upper
43 100
58 58.9 47.4 71.2
57 20.4 16.7 25.1
100 15.4 11.5 17.3

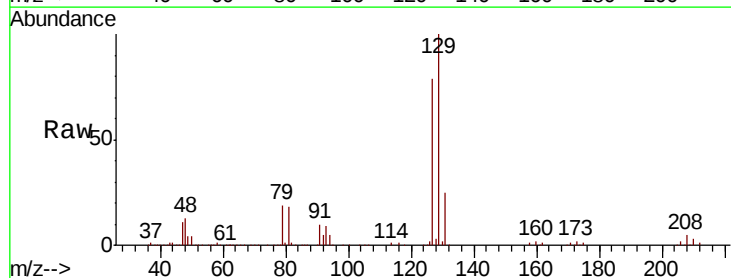


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

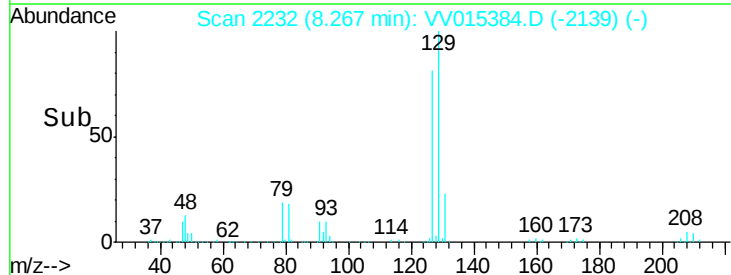
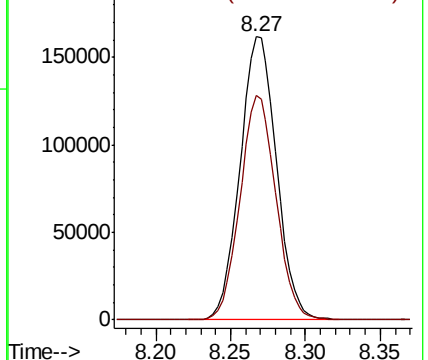


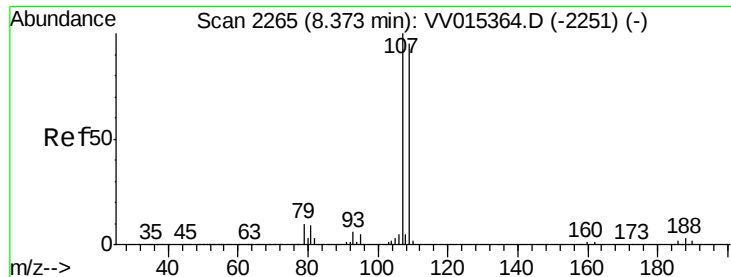
#49
Dibromochloromethane
Concen: 47.856 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV015384.D
Acq: 02 Apr 2020 19:39

Tgt Ion: 129 Resp: 275098
Ion Ratio Lower Upper
129 100
127 79.1 55.2 102.6



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

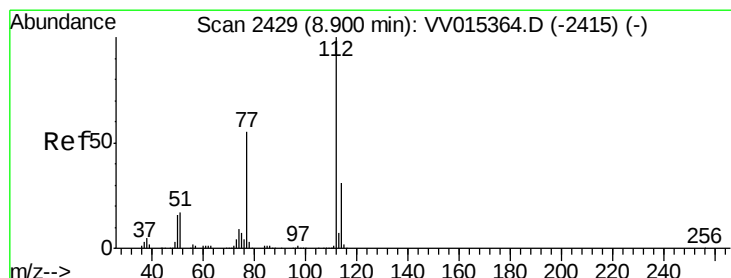
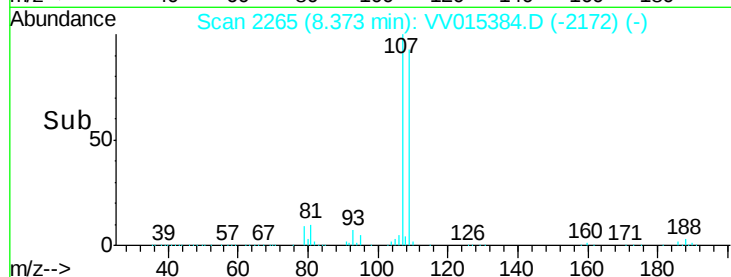
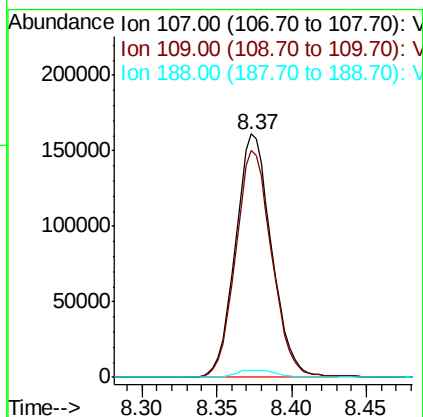
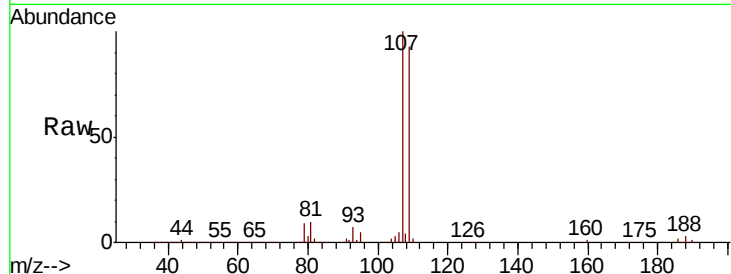




#50
 1,2-Dibromoethane
 Concen: 48.372 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV015384.D
 Acq: 02 Apr 2020 19:39

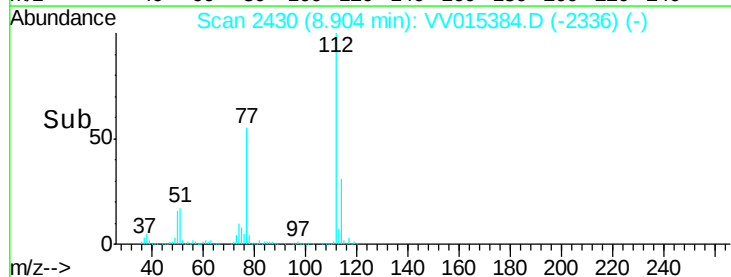
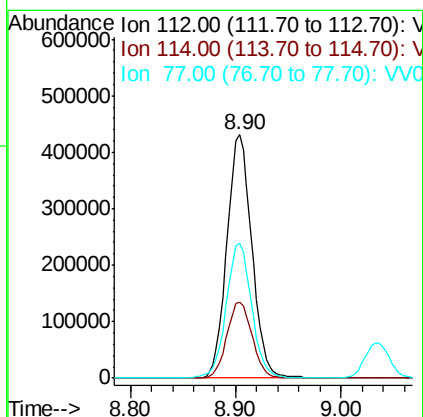
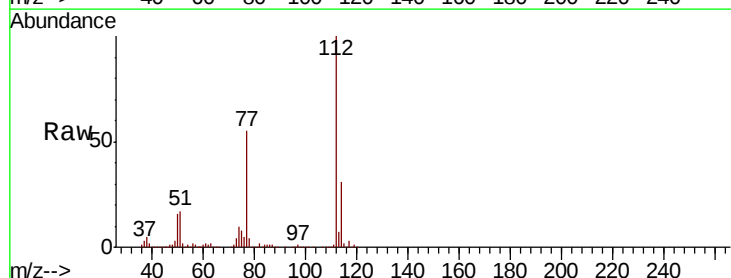
Instrument :
 MSVOA_V
 ClientSampleId :

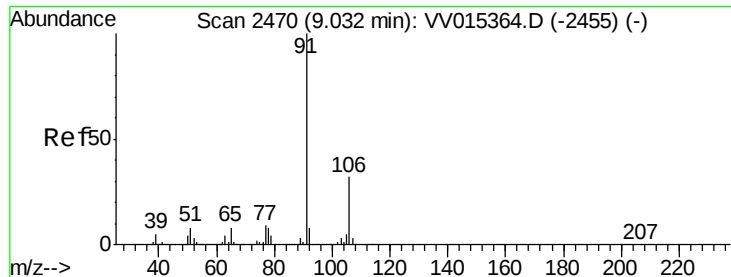
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	65.0	120.8
188	2.9	2.4	3.6



#51
 Chlorobenzene
 Concen: 47.827 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV015384.D
 Acq: 02 Apr 2020 19:39

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.4	21.8	40.4
77	55.3	46.2	69.2





#52

Ethylbenzene

Concen: 46.929 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV015384.D

Acq: 02 Apr 2020 19:39

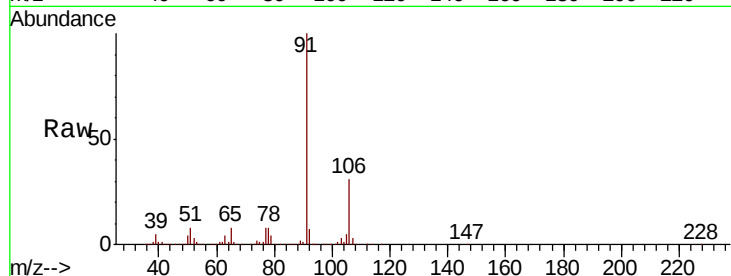
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 1187254

Ion Ratio Lower Upper

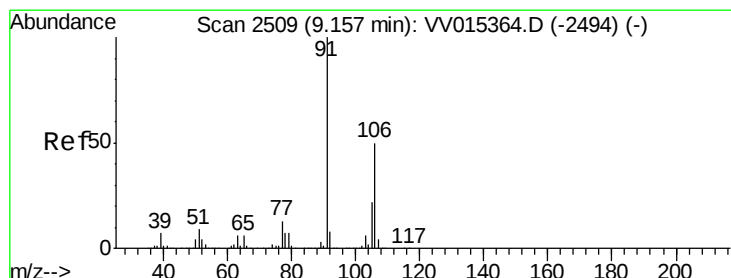
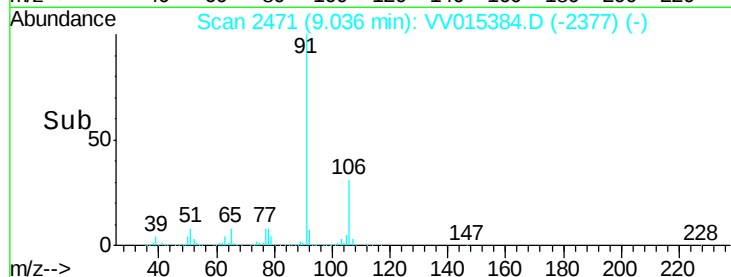
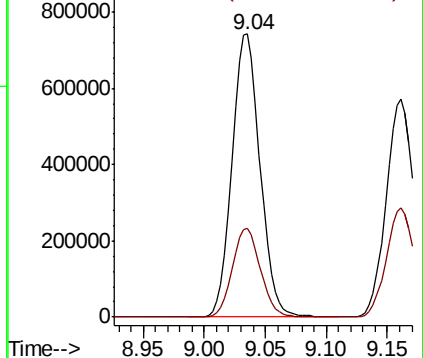
91 100

106 31.4 21.8 40.6



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 47.657 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015384.D

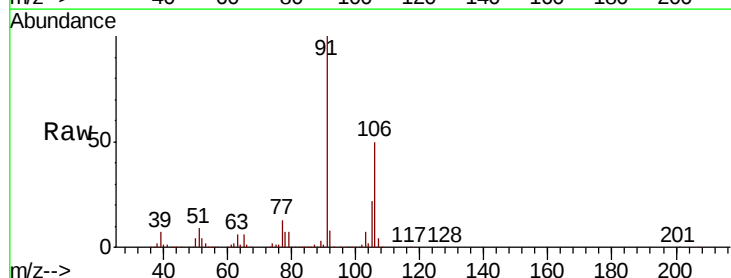
Acq: 02 Apr 2020 19:39

Tgt Ion: 106 Resp: 464265

Ion Ratio Lower Upper

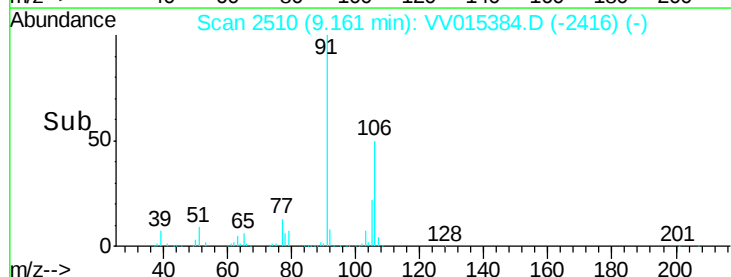
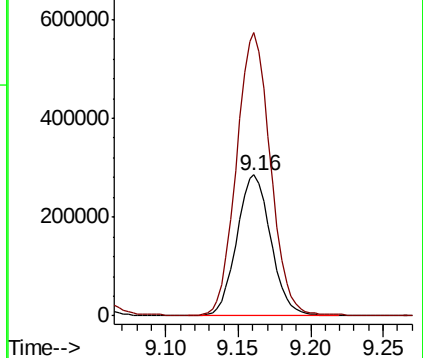
106 100

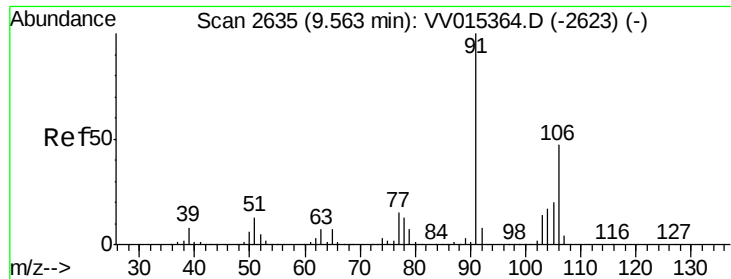
91 200.9 139.7 259.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#54

o-xylene

Concen: 47.712 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV015384.D

Acq: 02 Apr 2020 19:39

Instrument :

MSVOA_V

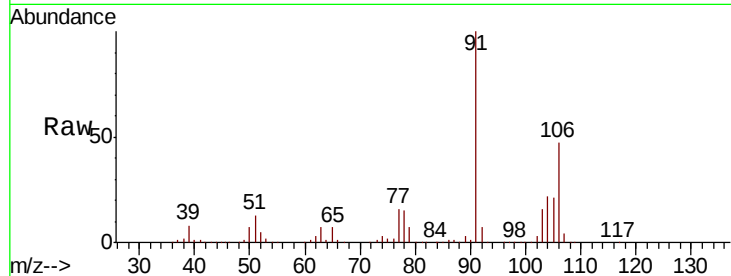
ClientSampleId :

Tot Ion:106 Resp: 465581

Ion Ratio Lower Upper

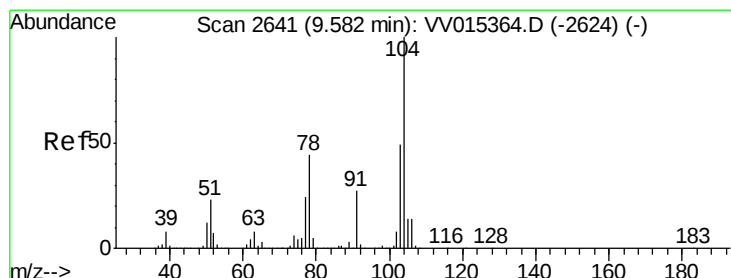
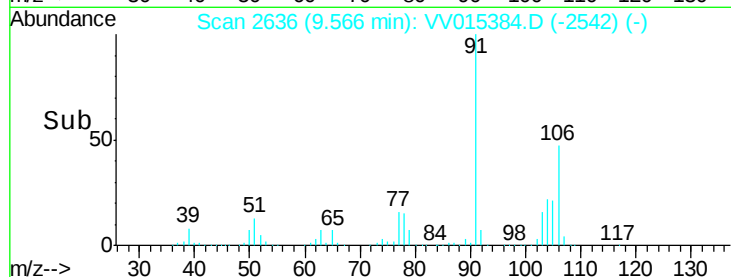
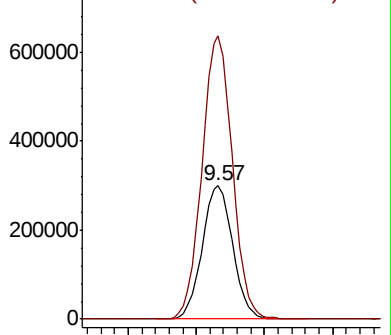
106 100

91 212.7 148.0 274.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 48.381 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV015384.D

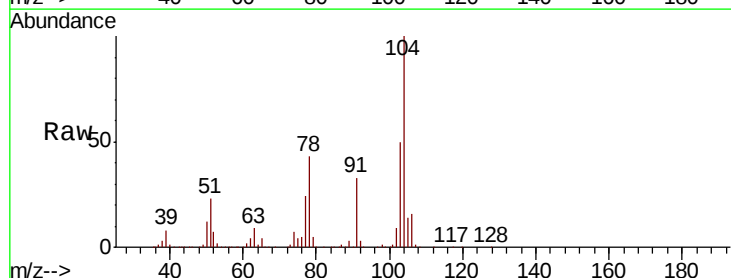
Acq: 02 Apr 2020 19:39

Tgt Ion:104 Resp: 785064

Ion Ratio Lower Upper

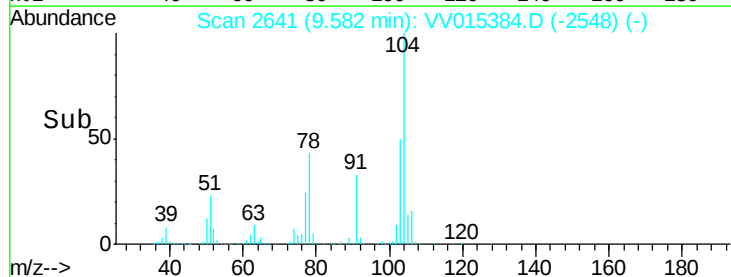
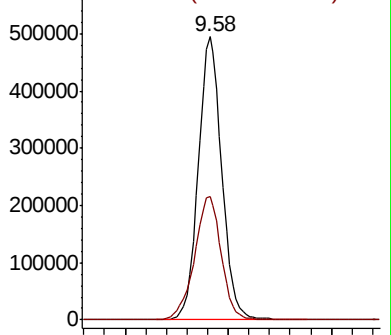
104 100

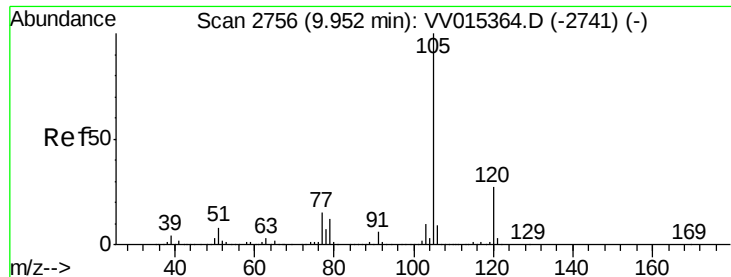
78 43.4 31.5 58.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 47.557 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015384.D

Acq: 02 Apr 2020 19:39

Instrument :

MSVOA_V

ClientSampleId :

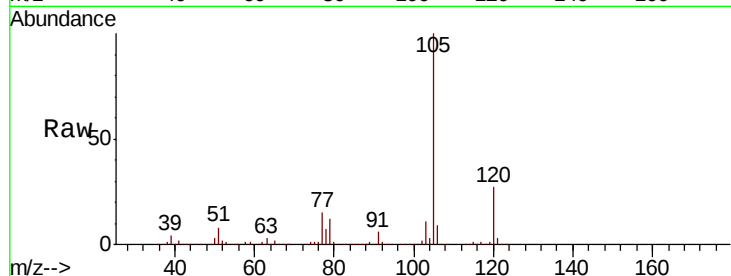
Tot Ion:105 Resp: 1202108

Ion Ratio Lower Upper

105 100

120 27.3 21.4 32.0

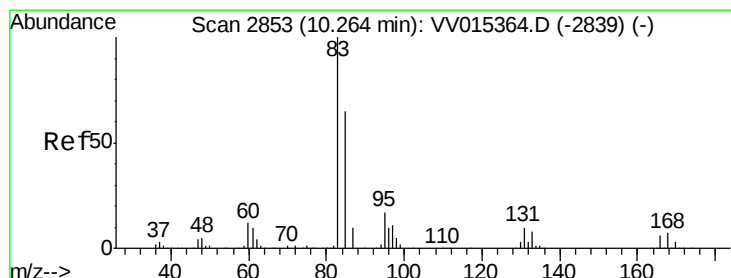
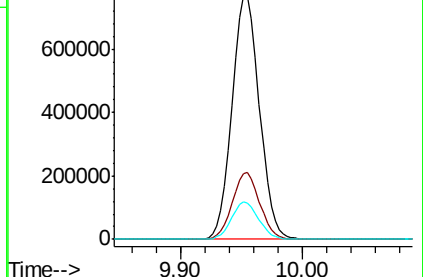
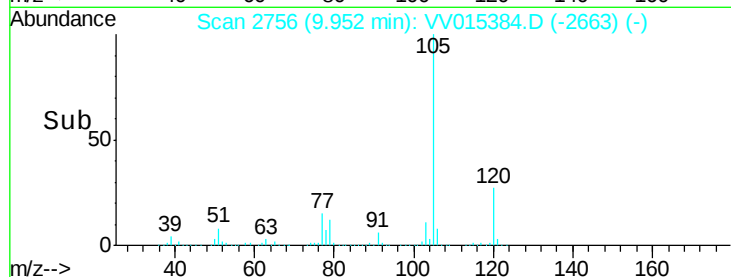
77 15.3 12.4 18.6



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: 47.367 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015384.D

Acq: 02 Apr 2020 19:39

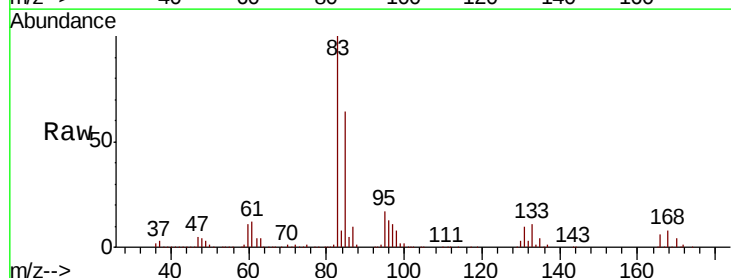
Tgt Ion: 83 Resp: 399165

Ion Ratio Lower Upper

83 100

85 64.3 45.4 84.4

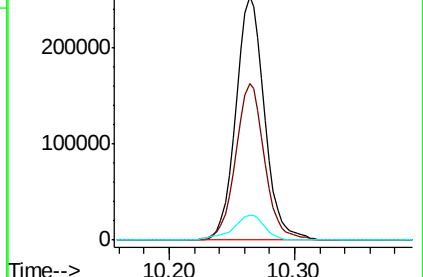
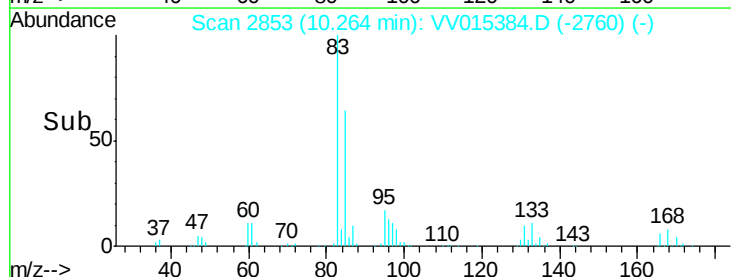
131 10.3 8.0 12.0

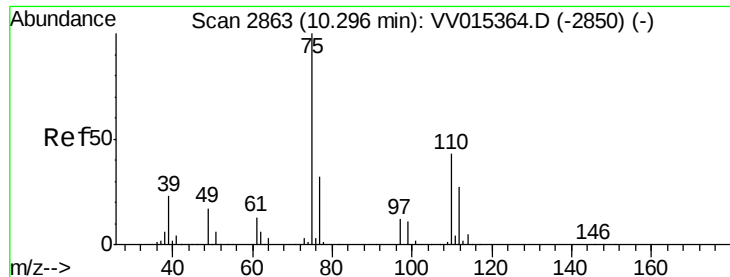


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 47.011 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV015384.D

Acq: 02 Apr 2020 19:39

Instrument :

MSVOA_V

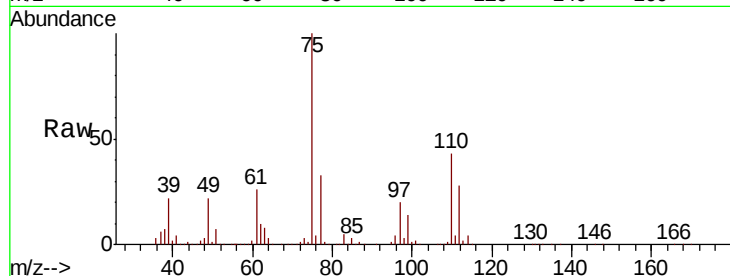
ClientSampleId :

Tot Ion: 75 Resp: 315971

Ion Ratio Lower Upper

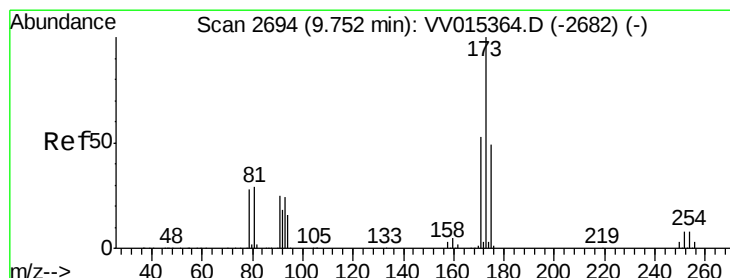
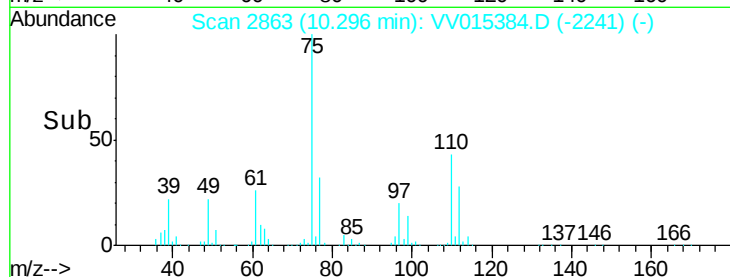
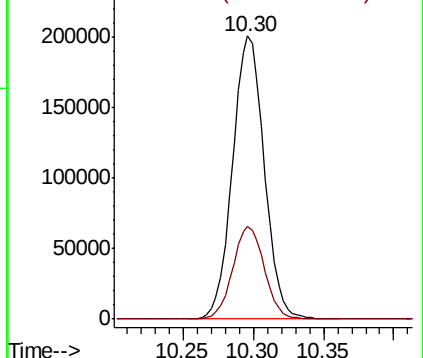
75 100

77 32.6 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#61

Bromoform

Concen: 47.087 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV015384.D

Acq: 02 Apr 2020 19:39

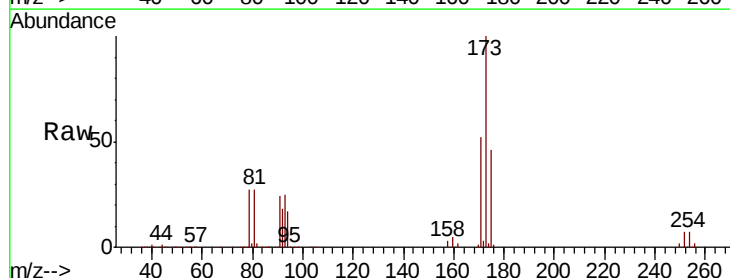
Tgt Ion: 173 Resp: 177499

Ion Ratio Lower Upper

173 100

175 47.8 39.0 58.6

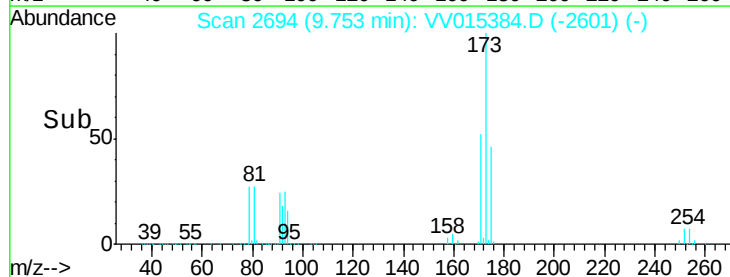
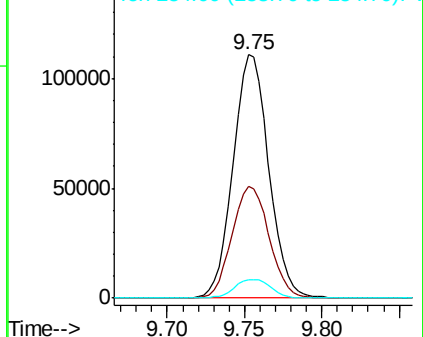
254 7.9 5.9 8.9

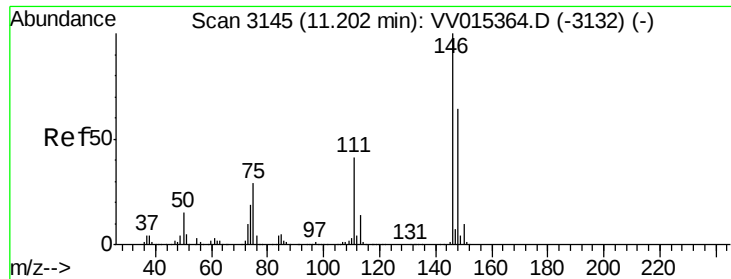


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V





#62

1,3-Dichlorobenzene

Concen: 47.764 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015384.D

Acq: 02 Apr 2020 19:39

Instrument :

MSVOA_V

ClientSampled :

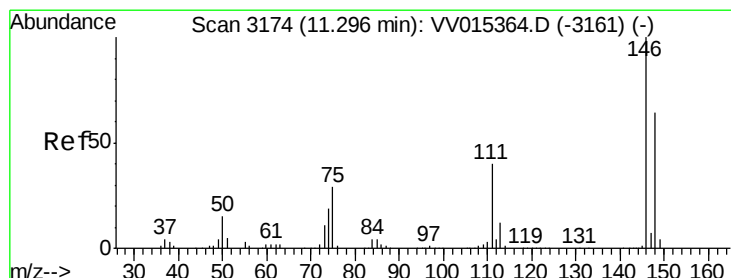
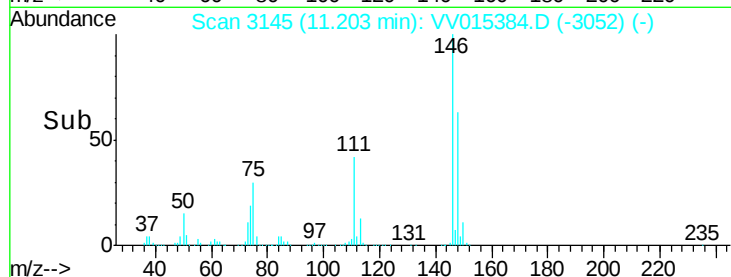
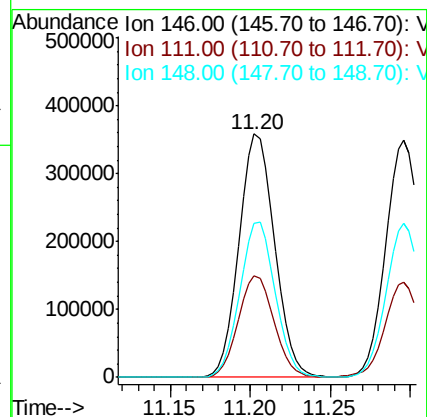
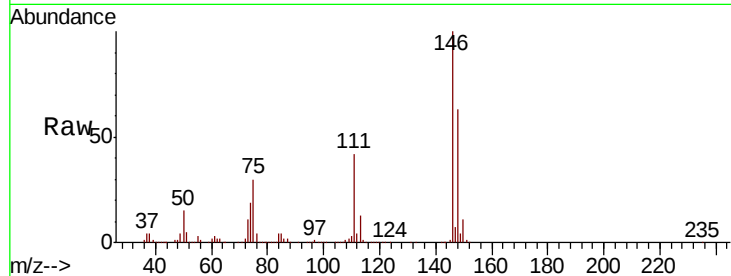
Tot Ion:146 Resp: 542663

Ion Ratio Lower Upper

146 100

111 41.8 30.2 56.2

148 63.4 44.7 83.1



#63

1,4-Dichlorobenzene

Concen: 47.260 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015384.D

Acq: 02 Apr 2020 19:39

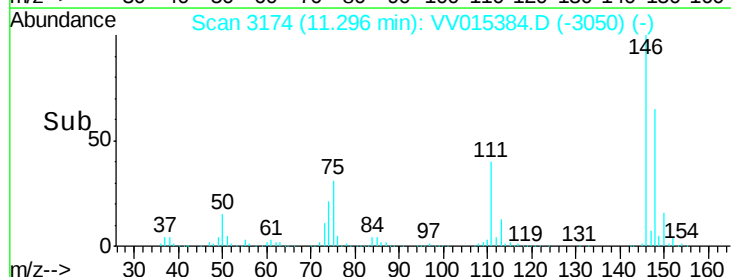
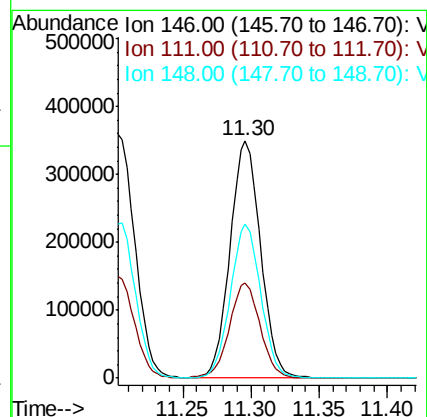
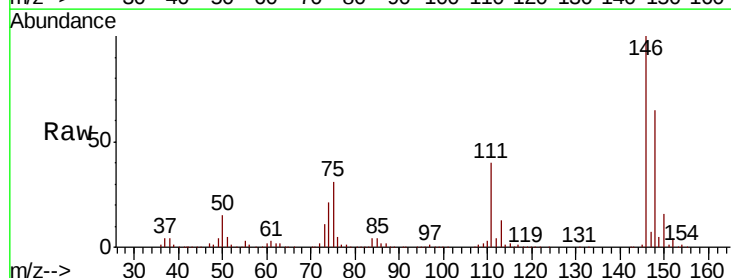
Tgt Ion:146 Resp: 544556

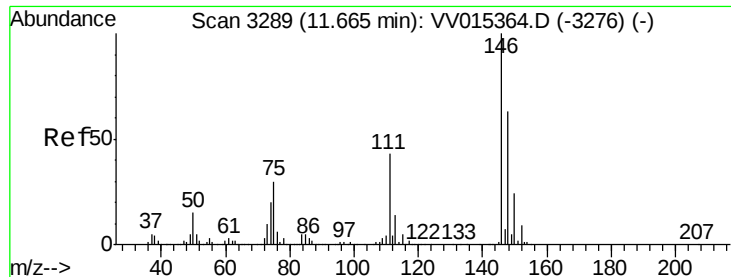
Ion Ratio Lower Upper

146 100

111 40.0 29.3 54.5

148 65.2 44.7 82.9

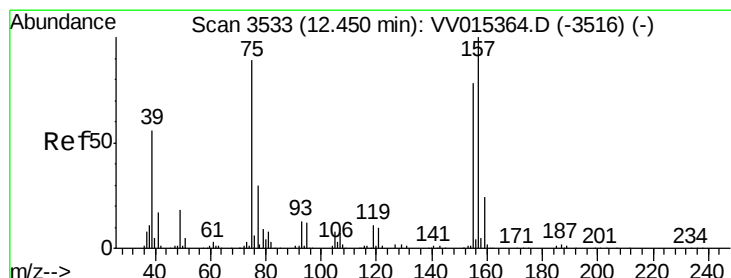
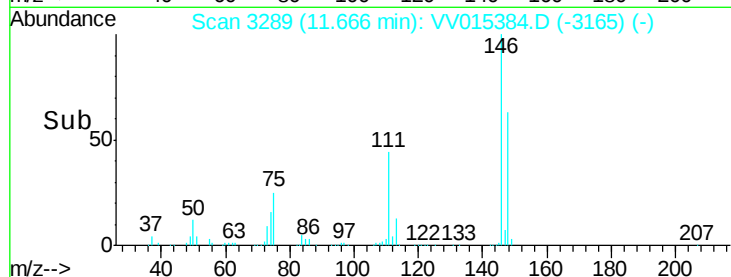
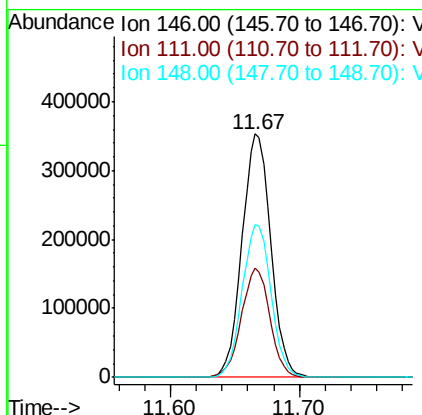
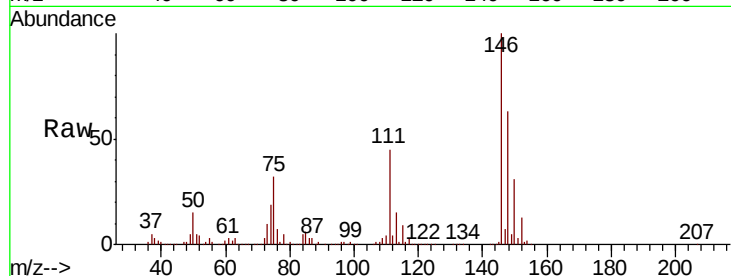




#65
 1,2-Dichlorobenzene
 Concen: 47.392 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV015384.D
 Acq: 02 Apr 2020 19:39

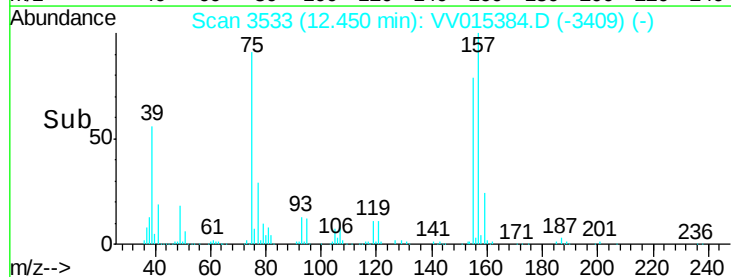
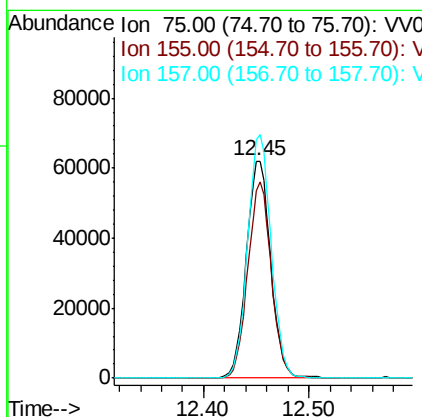
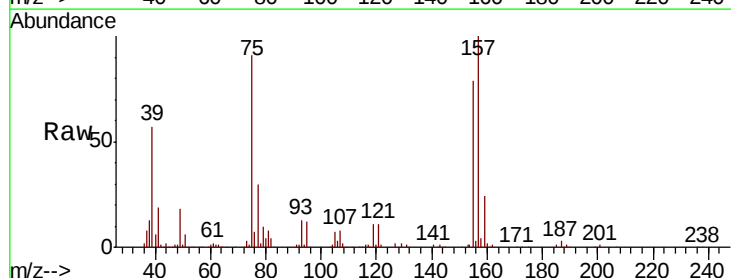
Instrument :
 MSVOA_V
 ClientSampleId :

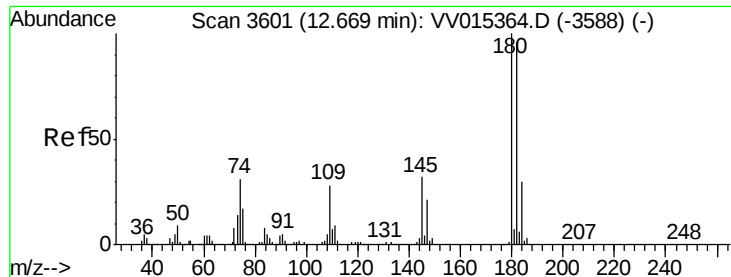
Tot Ion:146 Resp: 549178
 Ion Ratio Lower Upper
 146 100
 111 44.6 35.1 52.7
 148 62.9 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 43.571 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV015384.D
 Acq: 02 Apr 2020 19:39

Tgt Ion: 75 Resp: 99698
 Ion Ratio Lower Upper
 75 100
 155 86.2 64.5 96.7
 157 109.5 79.8 119.6

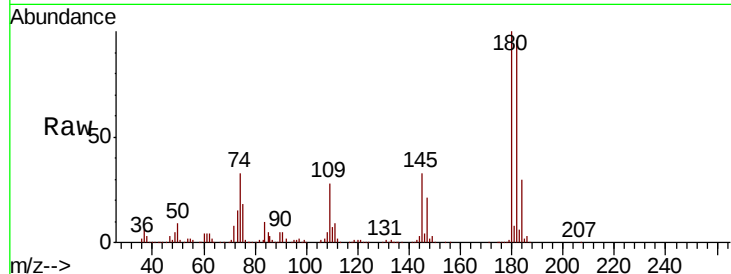




#67
 1,3,5-Trichlorobenzene
 Concen: 47.638 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015384.D
 Acq: 02 Apr 2020 19:39

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	74.7	112.1
184	30.2	23.7	35.5
145	32.5	26.8	40.2

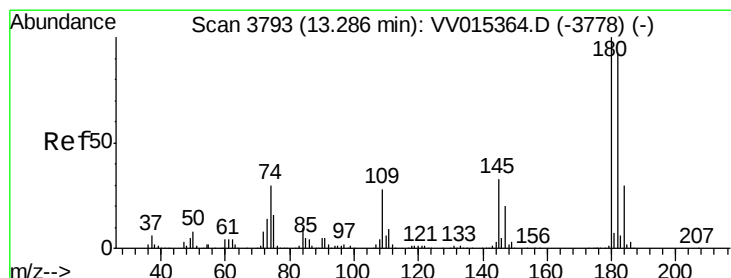
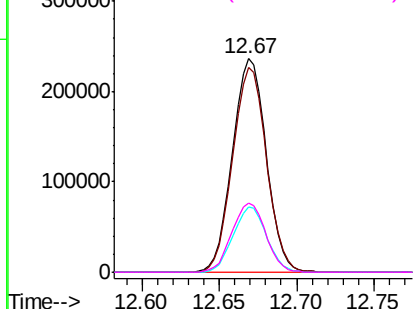
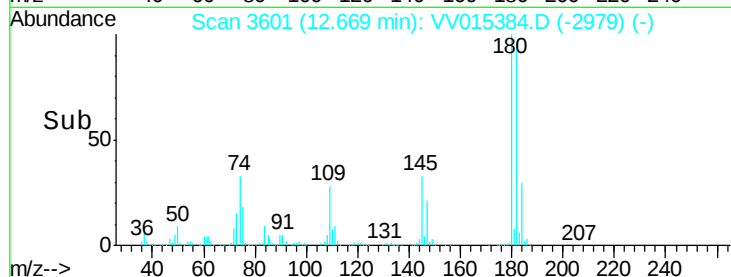


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

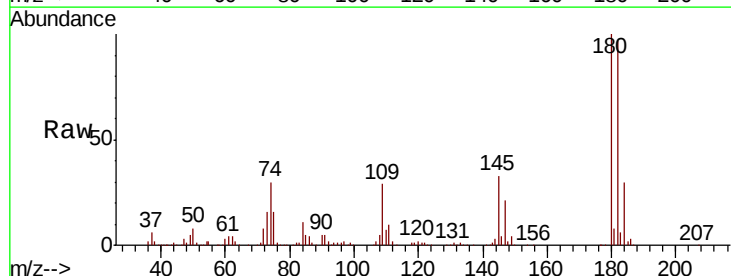
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 49.050 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015384.D
 Acq: 02 Apr 2020 19:39

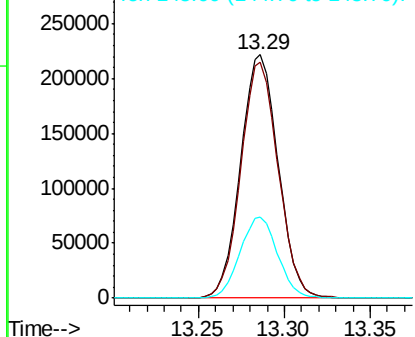
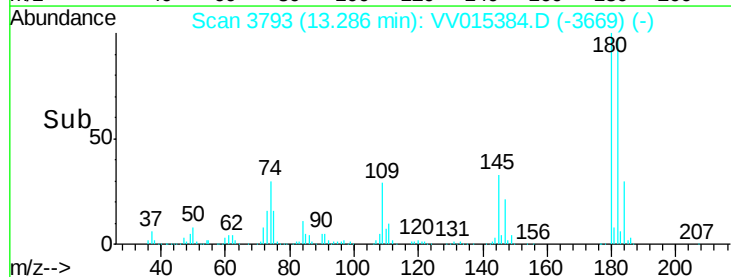
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	75.8	113.8
145	33.4	27.7	41.5

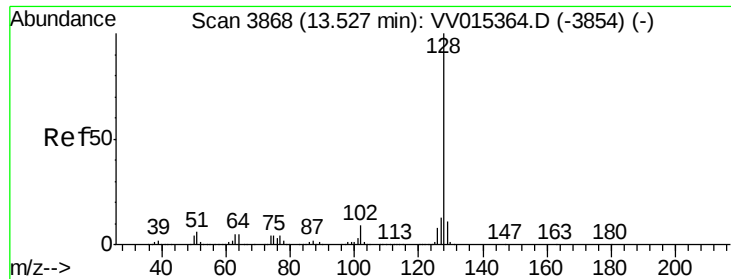


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 49.597 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015384.D

Acq: 02 Apr 2020 19:39

Instrument :

MSVOA_V

ClientSampled :

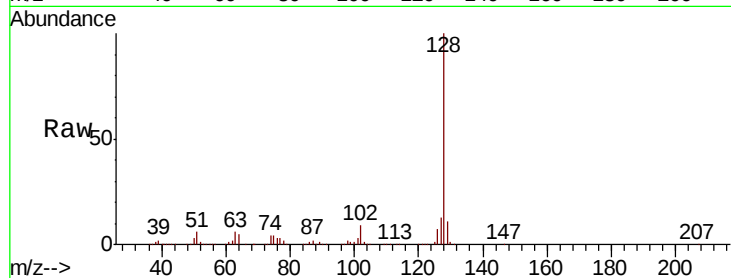
Tot Ion:128 Resp: 1304086

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

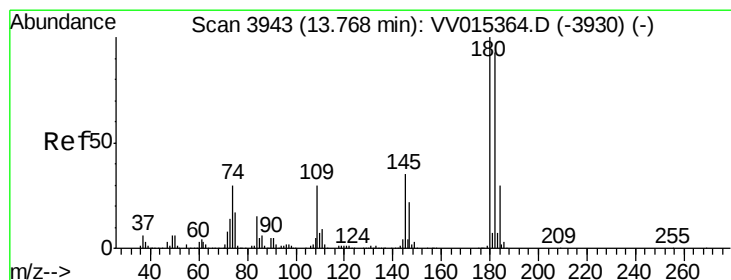
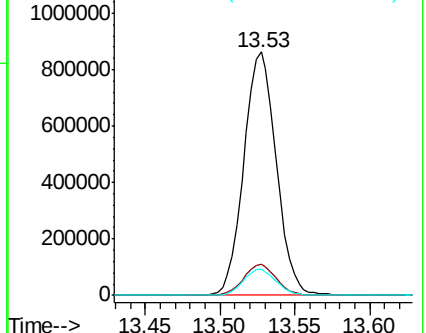
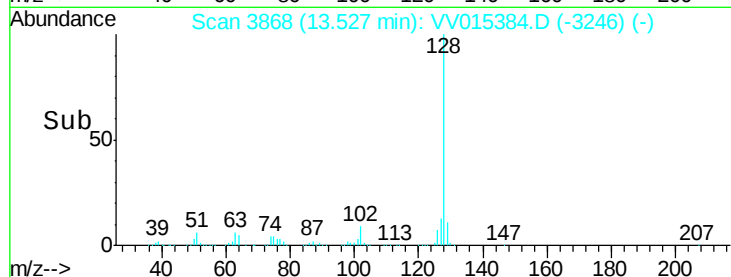
129 10.7 8.6 13.0



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: 48.760 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015384.D

Acq: 02 Apr 2020 19:39

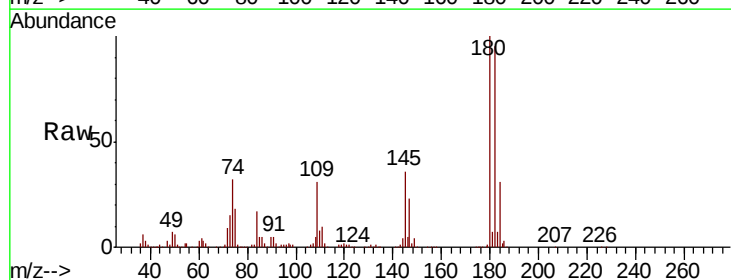
Tgt Ion:180 Resp: 345440

Ion Ratio Lower Upper

180 100

182 94.8 76.1 114.1

145 35.6 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

