

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032520\
 Data File : VV015128.D
 Acq On : 25 Mar 2020 04:59
 Operator : SY/MD
 Sample : VSTD05063
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 25 06:49:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032520WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 25 06:43:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	525469	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	478665	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	205311	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	233305	48.35	ug/L	0.00
7) Chloroethane-d5	1.58	69	229926	54.30	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	426195	52.04	ug/L	0.00
21) 2-Butanone-d5	3.94	46	398382	120.55	ug/L	0.00
24) Chloroform-d	4.38	84	429574	56.69	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	293248	59.82	ug/L	0.00
32) Benzene-d6	5.08	84	811468	54.51	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	275703	56.06	ug/L	0.00
41) Toluene-d8	7.34	98	701410	51.65	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	143151	55.38	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	304718	120.65	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	415969	59.28	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	248402	53.03	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	146803	38.827	ug/L 100
3) Chloromethane	1.25	50	277271	51.729	ug/L 100
5) Vinyl chloride	1.32	62	240159	48.246	ug/L 100
6) Bromomethane	1.53	94	174335	55.383	ug/L 100
8) Chloroethane	1.60	64	194533	49.887	ug/L 100
9) Trichlorofluoromethane	1.77	101	274690	44.917	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	134845	43.985	ug/L 100
12) 1,1-Dichloroethene	2.13	96	174232	50.722	ug/L 100
13) Acetone	2.22	43	232609	90.800	ug/L 100
14) Carbon disulfide	2.31	76	452129	51.358	ug/L 100
15) Methyl Acetate	2.46	43	253334	55.997	ug/L 100
16) Methylene chloride	2.52	84	231683	55.716	ug/L 100
17) trans-1,2-Dichloroethene	2.78	96	173544	50.942	ug/L 100
18) Methyl tert-butyl Ether	2.79	73	749259	56.263	ug/L 100
19) 1,1-Dichloroethane	3.21	63	359146	51.642	ug/L 100
20) cis-1,2-Dichloroethene	3.94	96	217062	53.600	ug/L 100
22) 2-Butanone	4.02	43	354584	100.422	ug/L # 100
23) Bromochloromethane	4.28	128	117115	56.925	ug/L 100
25) Chloroform	4.41	83	372769	53.349	ug/L 100
27) 1,2-Dichloroethane	5.16	62	307203	54.641	ug/L 100
29) Cyclohexane	4.70	56	198217	39.233	ug/L 100
30) 1,1,1-Trichloroethane	4.64	97	282401	50.107	ug/L 100
31) Carbon tetrachloride	4.86	117	220256	47.241	ug/L 100
33) Benzene	5.13	78	761561	51.754	ug/L 100
34) Trichloroethene	5.94	95	171936	49.196	ug/L 100
35) Methylcyclohexane	6.15	83	201028	41.097	ug/L 100
37) 1,2-Dichloropropane	6.20	63	209062	52.507	ug/L 100
38) Bromodichloromethane	6.53	83	300842	54.537	ug/L 100
39) cis-1,3-Dichloropropene	7.05	75	340449	52.670	ug/L 100
40) 4-Methyl-2-pentanone	7.25	43	733693	110.188	ug/L 100

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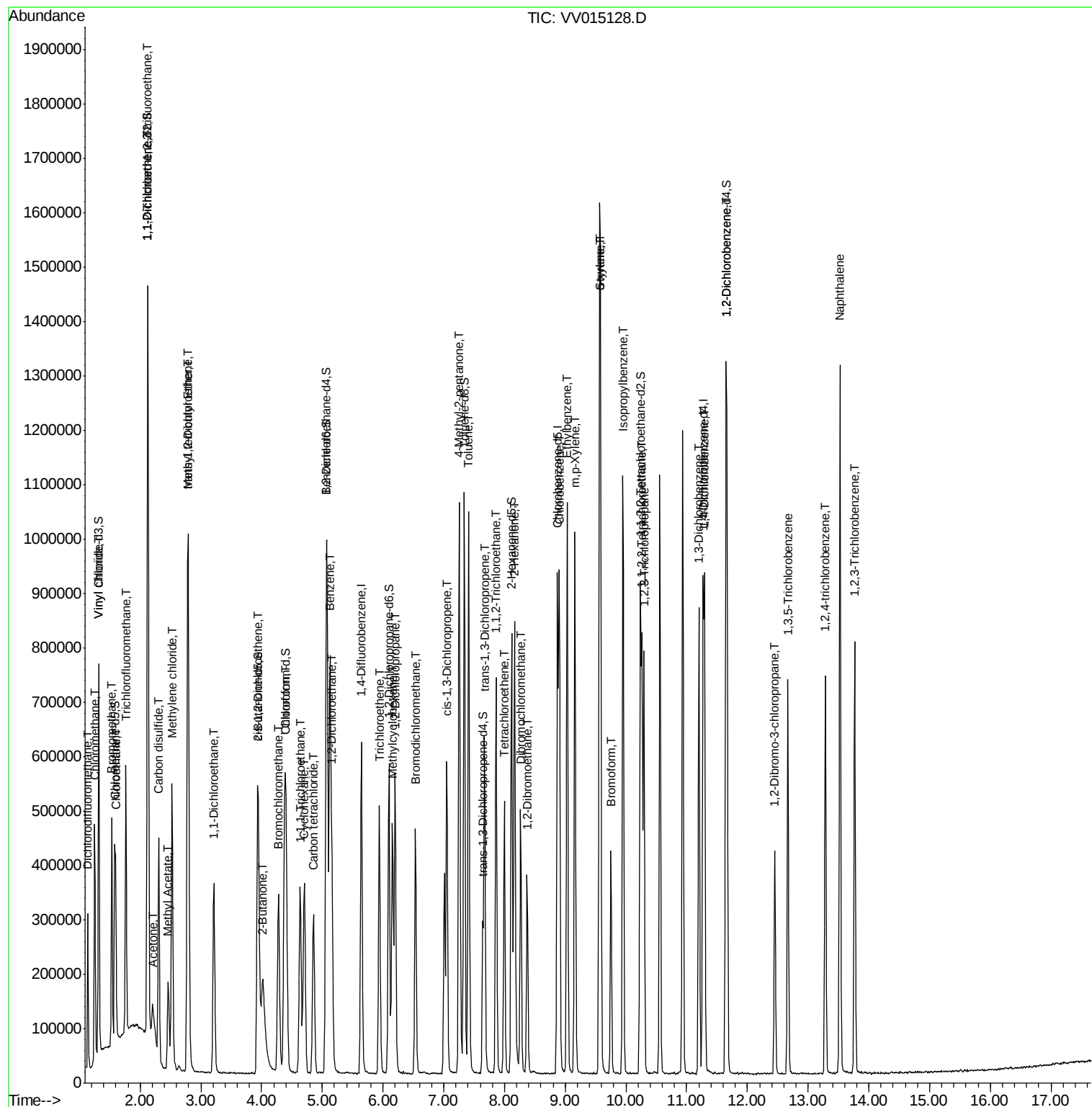
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	744905	48.491	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	337787	55.577	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	221686	57.079	ug/L	100
46) Tetrachloroethene	8.00	164	102420	43.563	ug/L	100
48) 2-Hexanone	8.16	43	568204	111.181	ug/L	100
49) Dibromochloromethane	8.27	129	242304	54.748	ug/L	100
50) 1,2-Dibromoethane	8.37	107	237449	55.795	ug/L	100
51) Chlorobenzene	8.90	112	481482	48.741	ug/L	100
52) Ethylbenzene	9.03	91	739824	45.048	ug/L	100
53) m,p-Xylene	9.16	106	286736	45.926	ug/L	100
54) o-xylene	9.57	106	305766	47.002	ug/L	100
55) Styrene	9.58	104	538180	47.750	ug/L	100
56) Isopropylbenzene	9.95	105	689390	43.754	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	369061	55.627	ug/L	100
59) 1,2,3-Trichloropropane	10.30	75	300705	55.970	ug/L	100
61) Bromoform	9.75	173	173753	58.738	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	324465	47.854	ug/L	100
63) 1,4-Dichlorobenzene	11.30	146	323751	47.271	ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	354996	49.770	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	101750	60.361	ug/L	100
67) 1,3,5-Trichlorobenzene	12.67	180	200753	44.174	ug/L	100
68) 1,2,4-trichlorobenzene	13.29	180	201305	46.188	ug/L	100
69) Naphthalene	13.52	128	983209	89.756	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	217120	47.941	ug/L	100

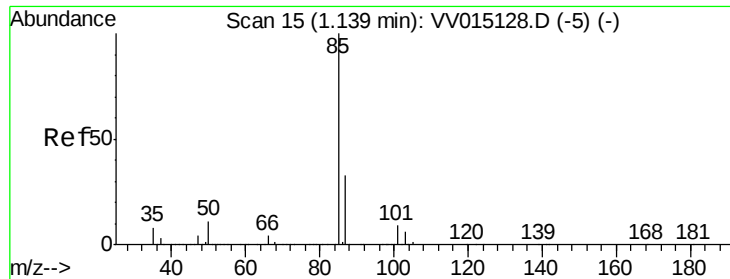
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 38.827 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV015128.D

Acq: 25 Mar 2020 04:59

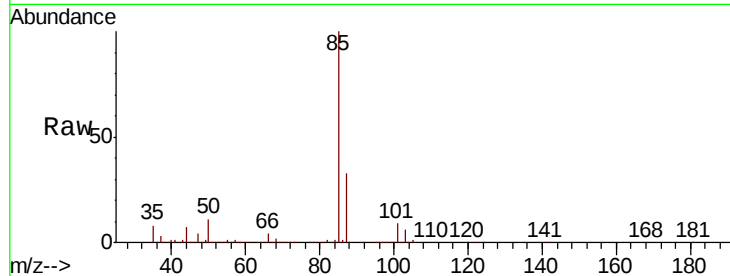
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 146803

Ion Ratio Lower Upper

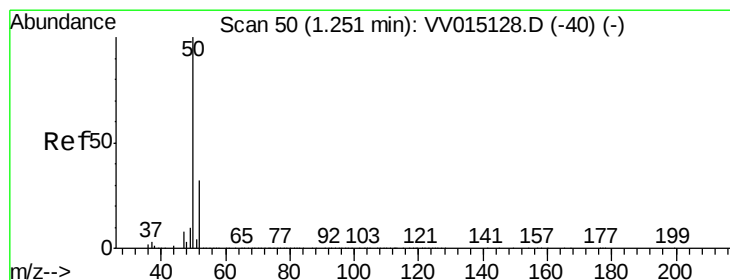
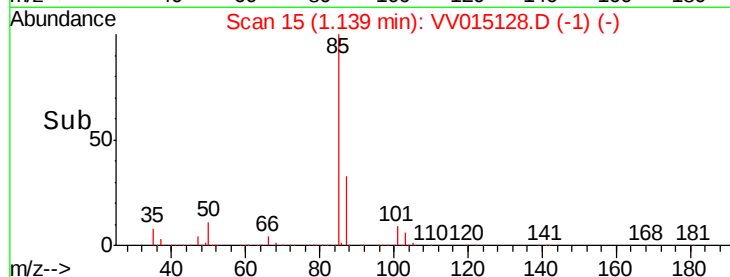
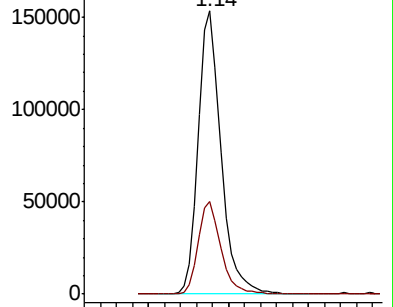
85 100

87 32.7 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VV015128.D (-5) (-)

Ion 87.00 (86.70 to 87.70): VV015128.D (-5) (-)



#3

Chloromethane

Concen: 51.729 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV015128.D

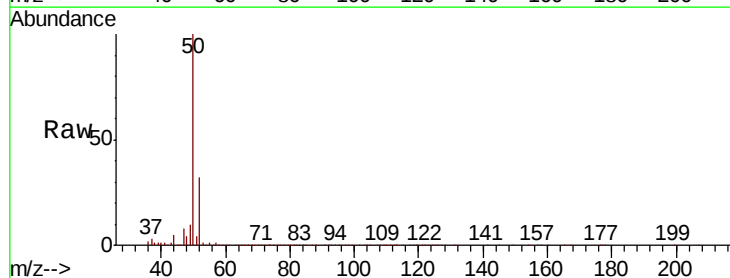
Acq: 25 Mar 2020 04:59

Tgt Ion: 50 Resp: 277271

Ion Ratio Lower Upper

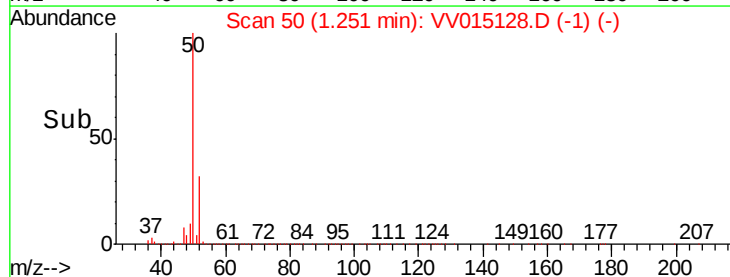
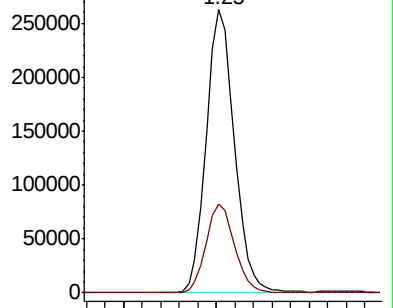
50 100

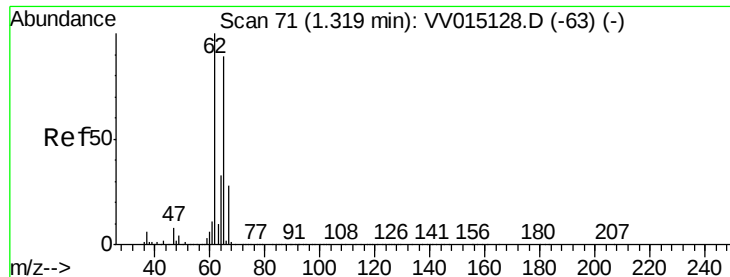
52 31.6 22.1 41.1



Abundance Ion 50.00 (49.70 to 50.70): VV015128.D (-40) (-)

Ion 52.00 (51.70 to 52.70): VV015128.D (-40) (-)





#5

Vinyl chloride

Concen: 48.246 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015128.D

Acq: 25 Mar 2020 04:59

Instrument :

MSVOA_V

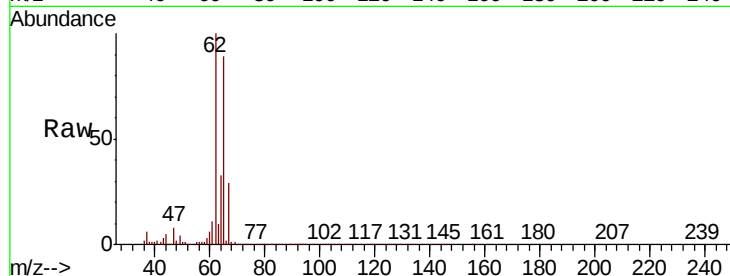
ClientSampled :

Tot Ion: 62 Resp: 240159

Ion Ratio Lower Upper

62 100

64 33.2 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

250000

200000

150000

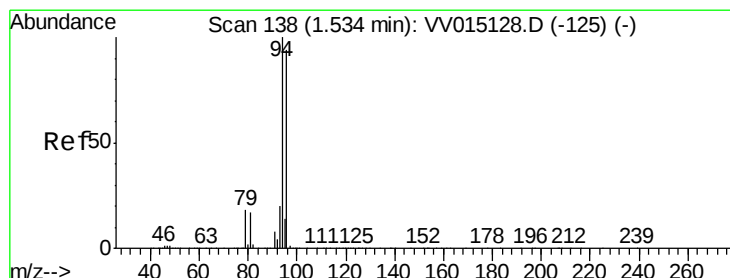
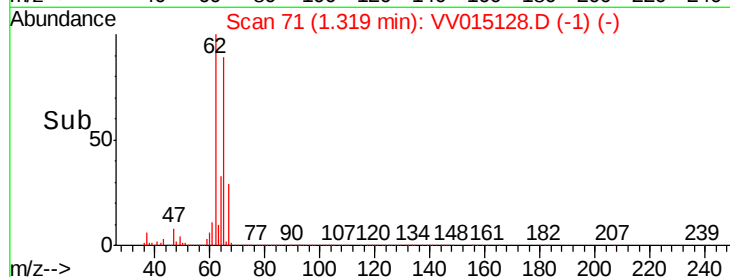
100000

50000

0

1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 55.383 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV015128.D

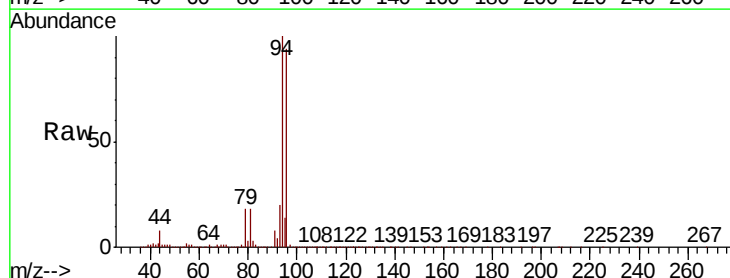
Acq: 25 Mar 2020 04:59

Tgt Ion: 94 Resp: 174335

Ion Ratio Lower Upper

94 100

96 94.5 66.1 122.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

150000

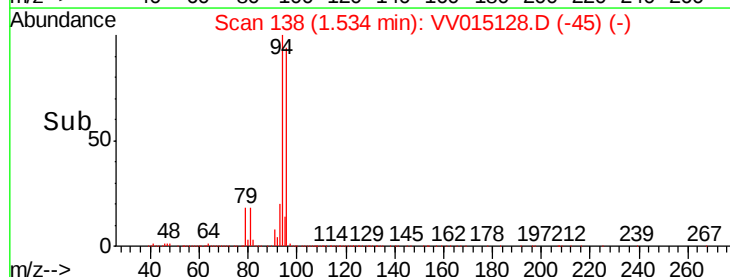
100000

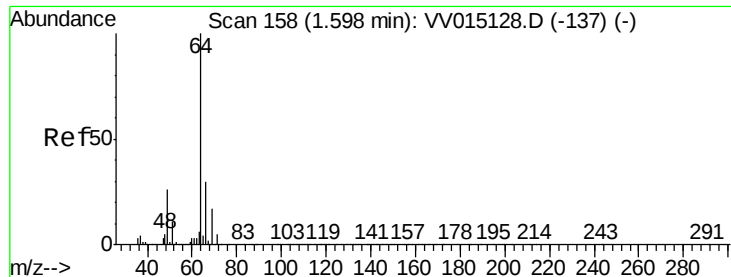
50000

0

1.45 1.50 1.55 1.60

Time-->





#8

Chloroethane

Concen: 49.887 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV015128.D

Acq: 25 Mar 2020 04:59

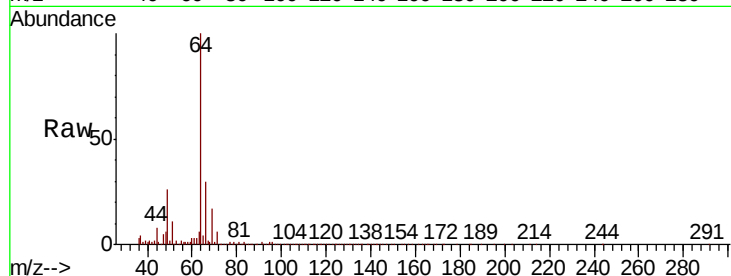
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 194533

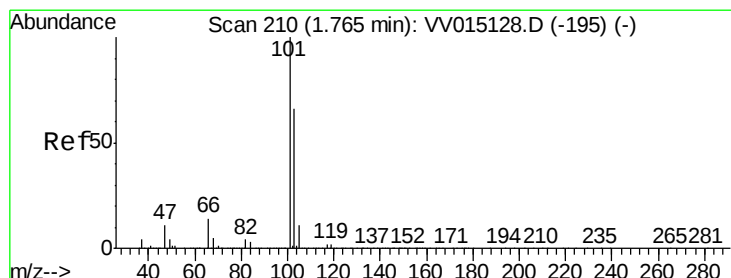
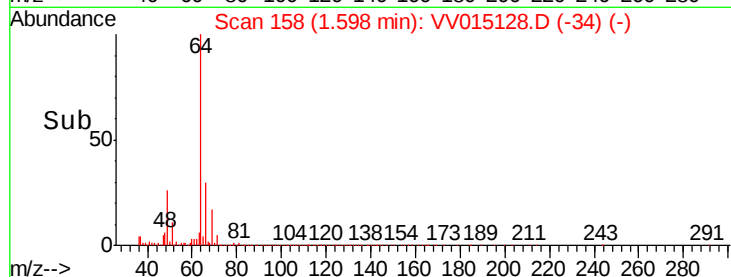
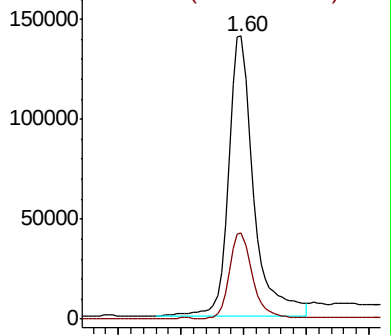
Ion Ratio Lower Upper

64 100

66 30.3 21.2 39.4



Abundance Ion 64.00 (63.70 to 64.70): VV015128.D (-137) (-)



#9

Trichlorofluoromethane

Concen: 44.917 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV015128.D

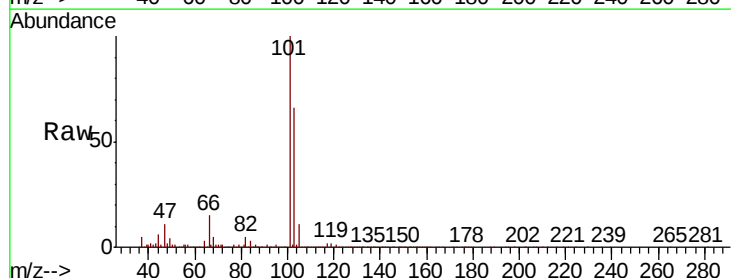
Acq: 25 Mar 2020 04:59

Tgt Ion: 101 Resp: 274690

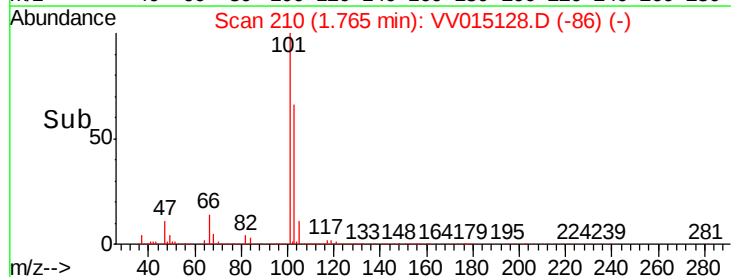
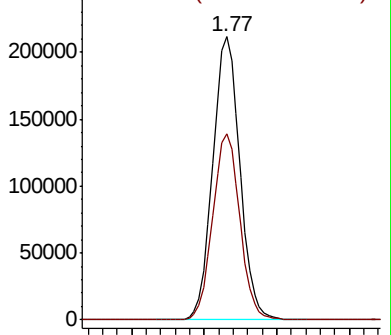
Ion Ratio Lower Upper

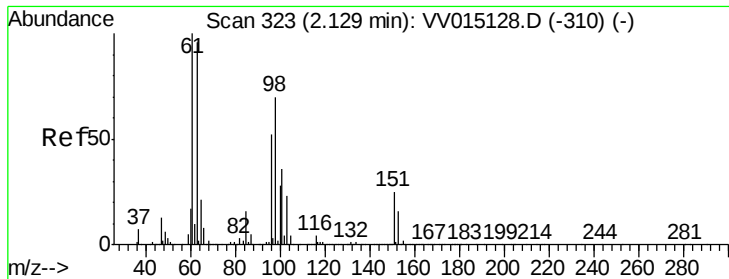
101 100

103 66.0 52.8 79.2



Abundance Ion 101.00 (100.70 to 101.70): VV015128.D (-195) (-)





#10

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

Concen: 43.985 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015128.D

Acq: 25 Mar 2020 04:59

Instrument :

MSVOA_V

ClientSampled :

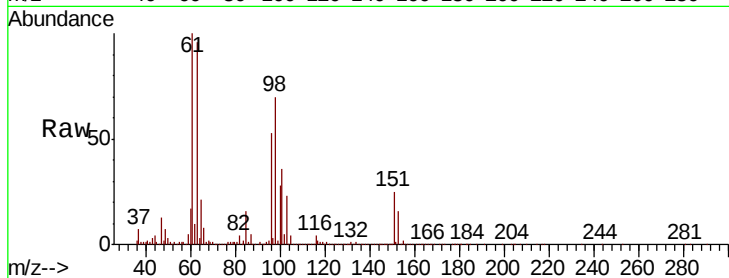
Tot Ion:101 Resp: 134845

Ion Ratio Lower Upper

101 100

85 45.0 36.0 54.0

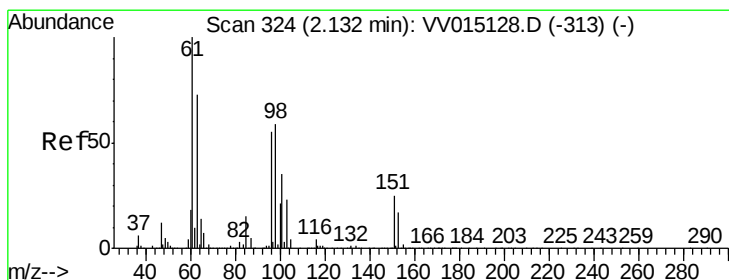
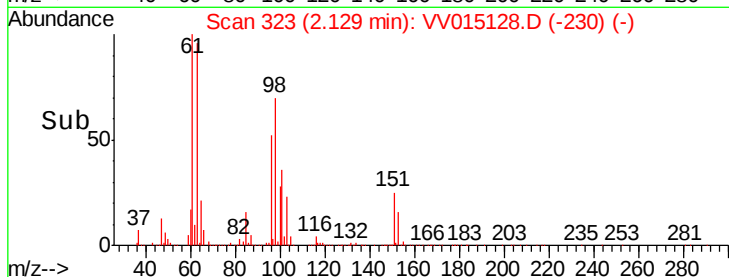
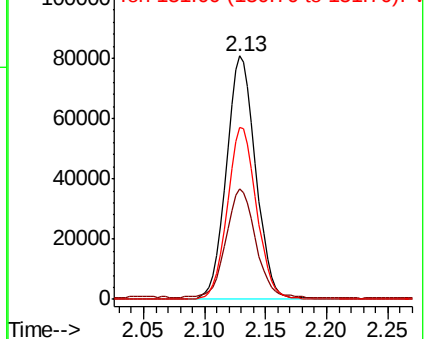
151 70.9 56.7 85.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 50.722 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015128.D

Acq: 25 Mar 2020 04:59

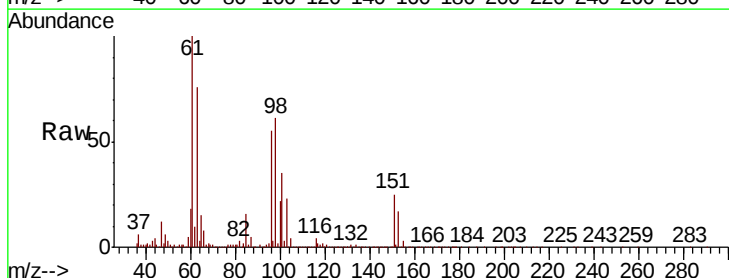
Tgt Ion: 96 Resp: 174232

Ion Ratio Lower Upper

96 100

61 183.1 128.2 238.0

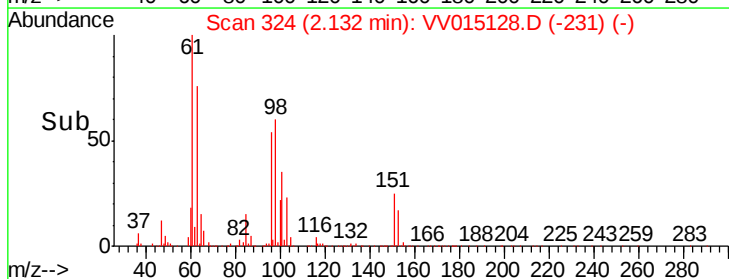
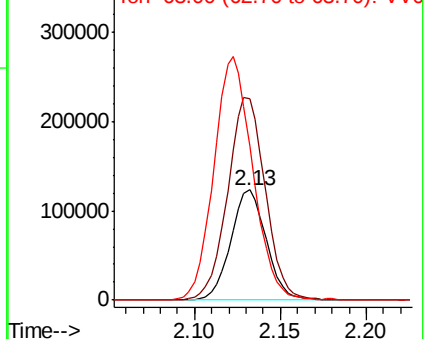
63 139.9 97.9 181.9

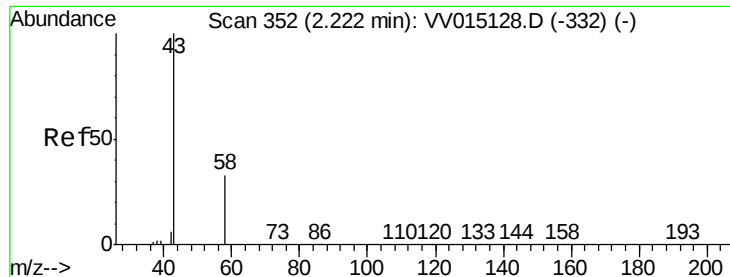


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 90.800 ug/L

RT: 2.22 min Scan# 352

Delta R.T. 0.00 min

Lab File: VV015128.D

Acq: 25 Mar 2020 04:59

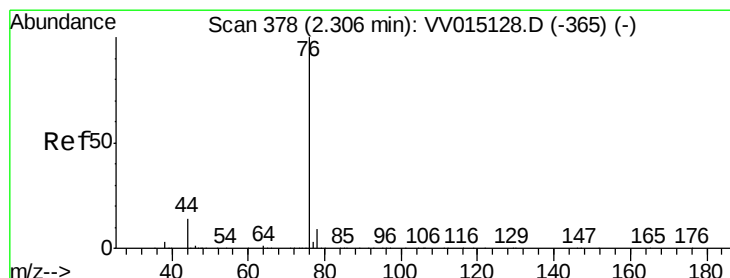
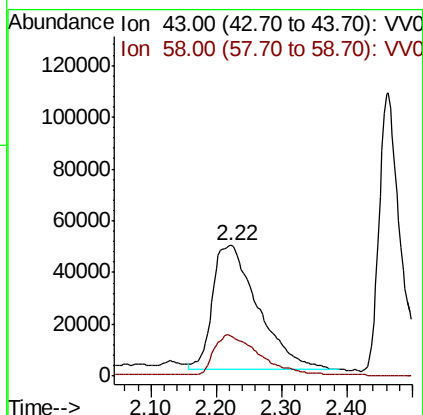
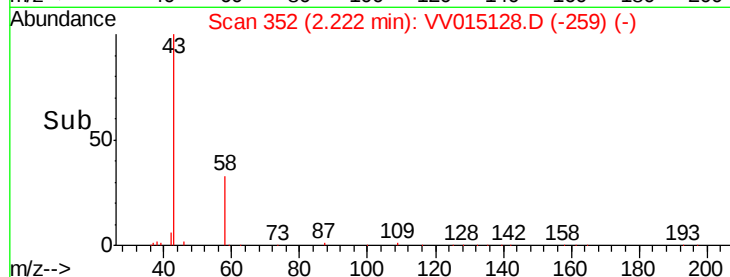
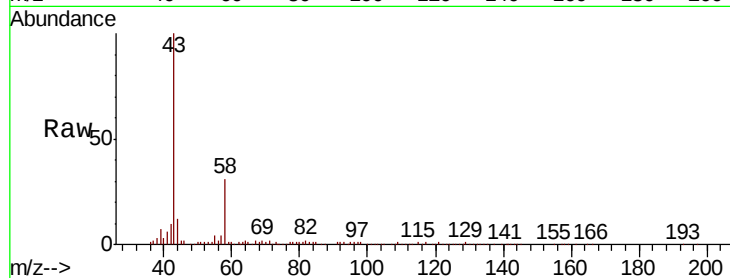
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 232609

Ion Ratio Lower Upper

43 100

58 30.8 0.0 61.6



#14

Carbon disulfide

Concen: 51.358 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV015128.D

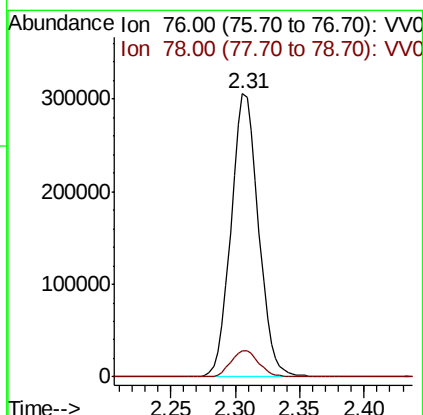
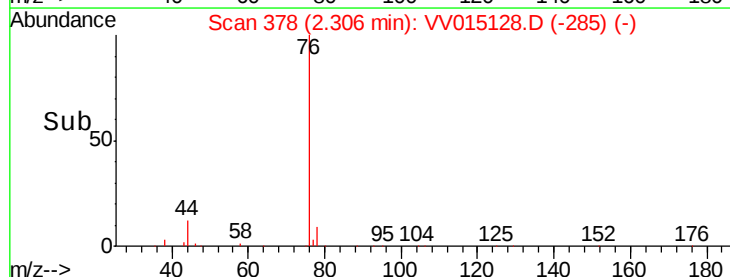
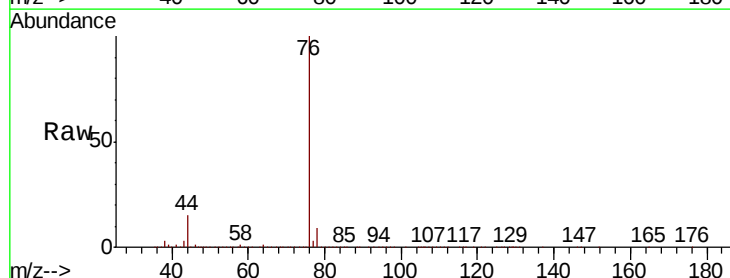
Acq: 25 Mar 2020 04:59

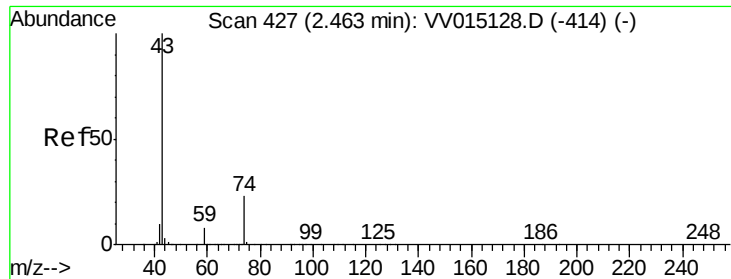
Tgt Ion: 76 Resp: 452129

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3

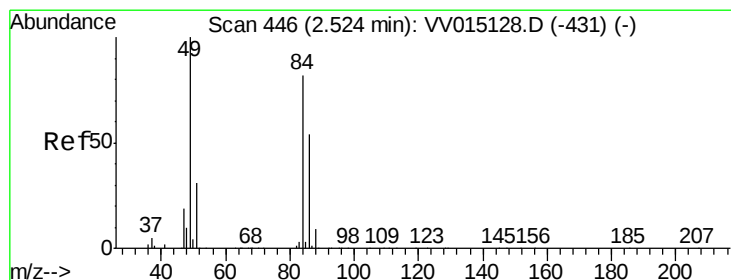
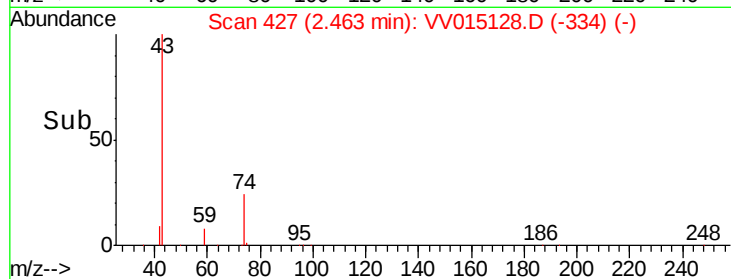
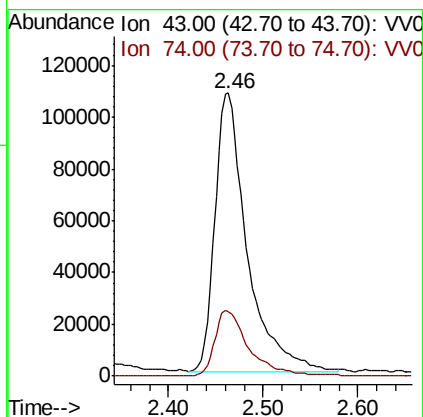
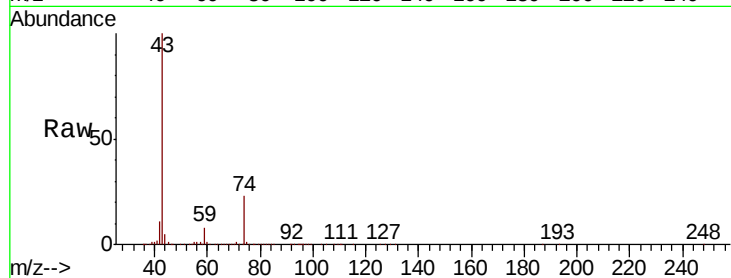




#15
Methvl Acetate
Concen: 55.997 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV015128.D
Acq: 25 Mar 2020 04:59

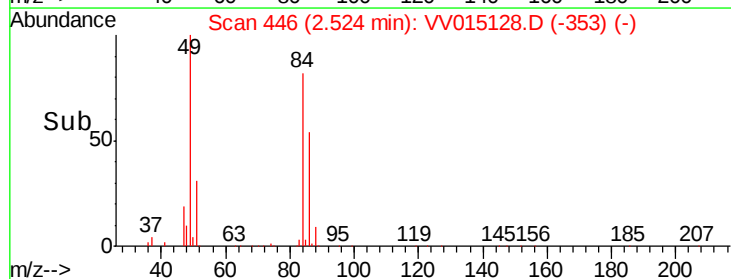
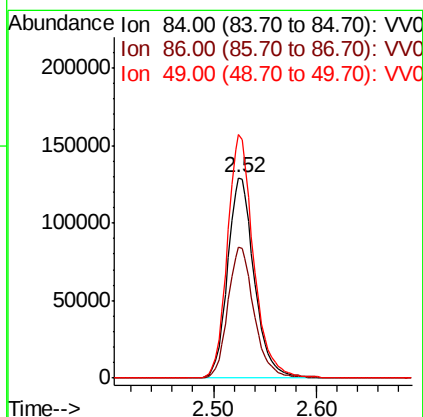
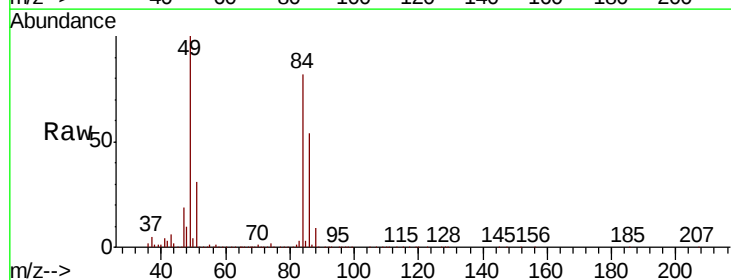
Instrument :
MSVOA_V
ClientSampleId :

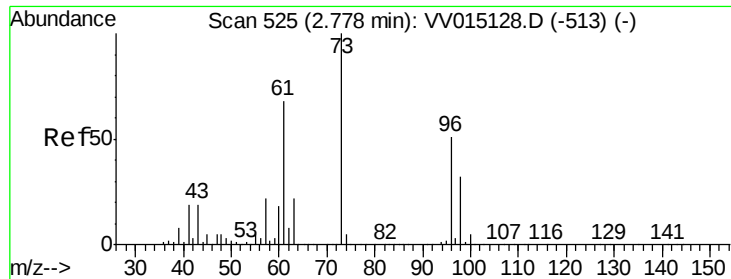
Tot Ion: 43 Resp: 253334
Ion Ratio Lower Upper
43 100
74 25.1 20.1 30.1



#16
Methylene chloride
Concen: 55.716 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV015128.D
Acq: 25 Mar 2020 04:59

Tgt Ion: 84 Resp: 231683
Ion Ratio Lower Upper
84 100
86 65.2 45.6 84.8
49 121.6 85.1 158.1

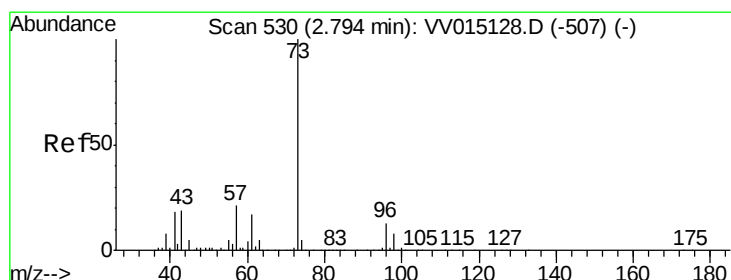
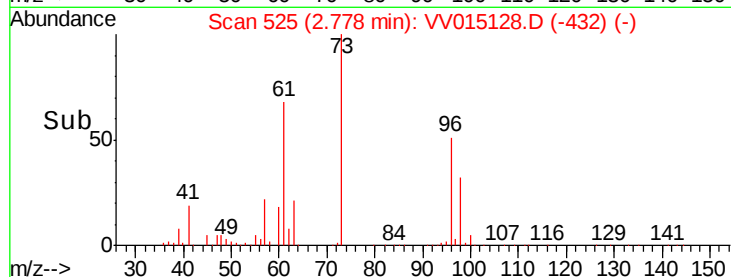
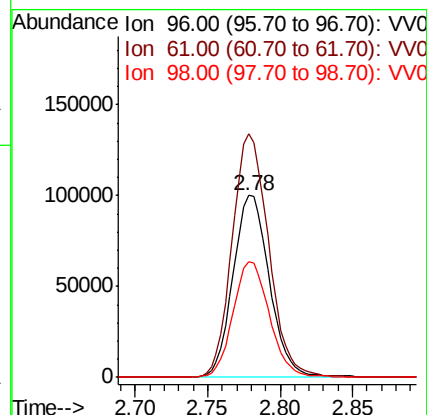
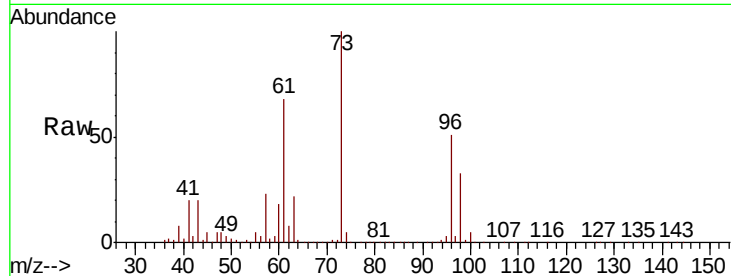




#17
trans-1,2-Dichloroethene
Concen: 50.942 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV015128.D
Acq: 25 Mar 2020 04:59

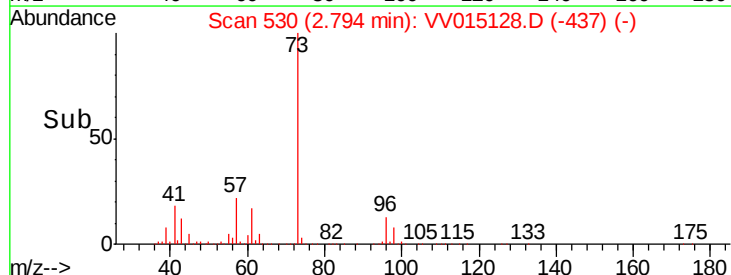
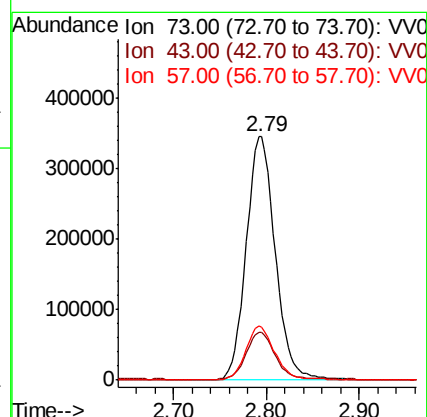
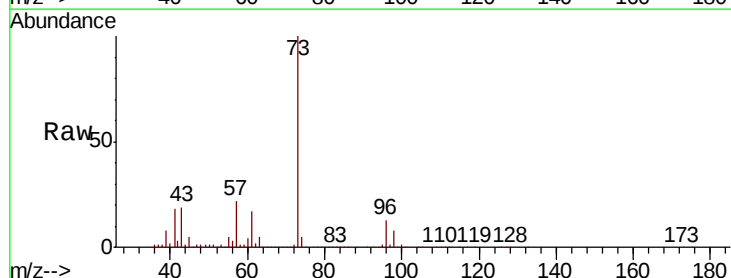
Instrument :
MSVOA_V
ClientSampleId :

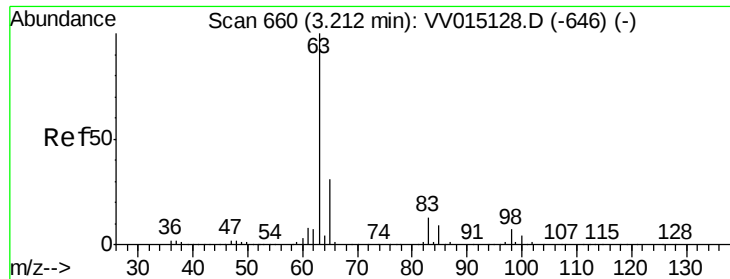
Tot Ion: 96 Resp: 173544
Ion Ratio Lower Upper
96 100
61 134.0 93.8 174.2
98 63.9 44.7 83.1



#18
Methyl tert-butyl Ether
Concen: 56.263 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV015128.D
Acq: 25 Mar 2020 04:59

Tgt Ion: 73 Resp: 749259
Ion Ratio Lower Upper
73 100
43 19.1 15.3 22.9
57 21.4 17.3 25.9

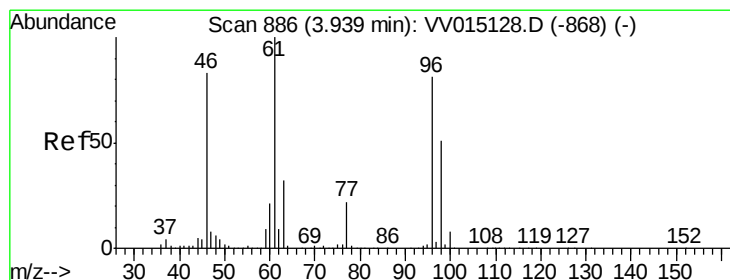
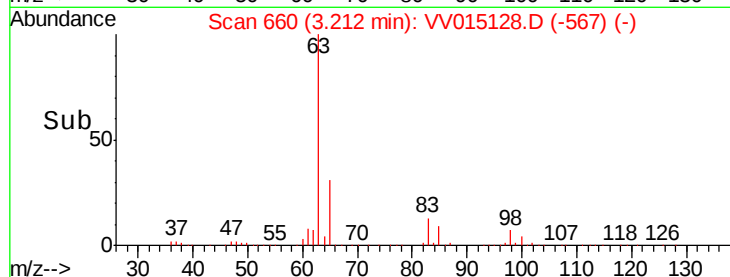
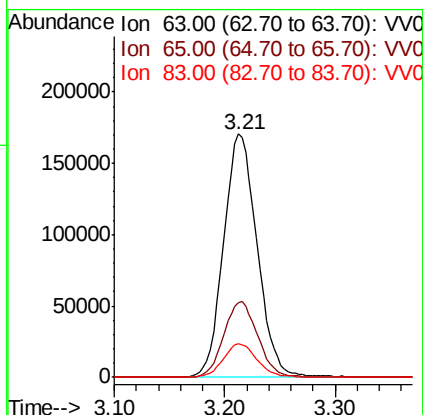
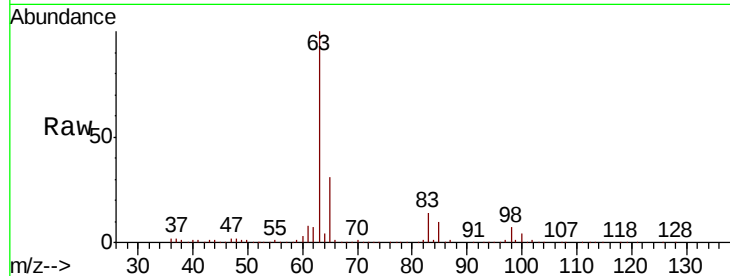




#19
 1,1-Dichloroethane
 Concen: 51.642 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV015128.D
 Acq: 25 Mar 2020 04:59

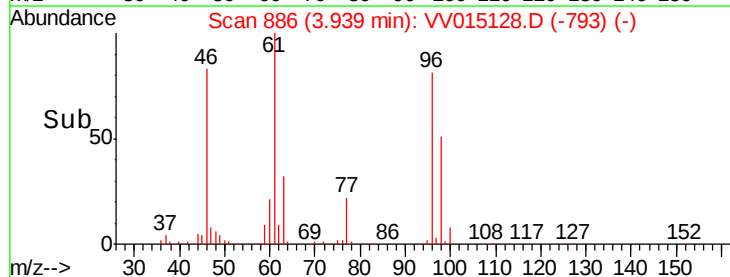
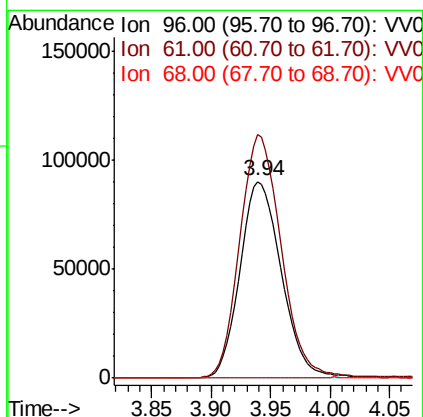
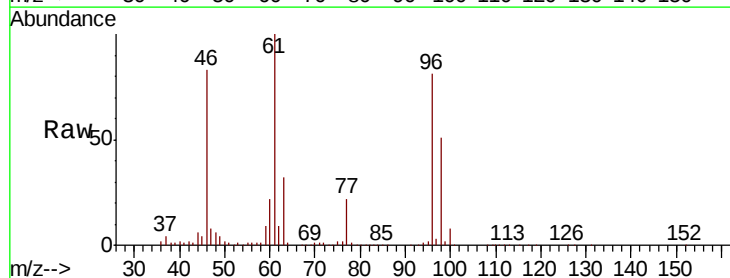
Instrument :
 MSVOA_V
 ClientSampleId :

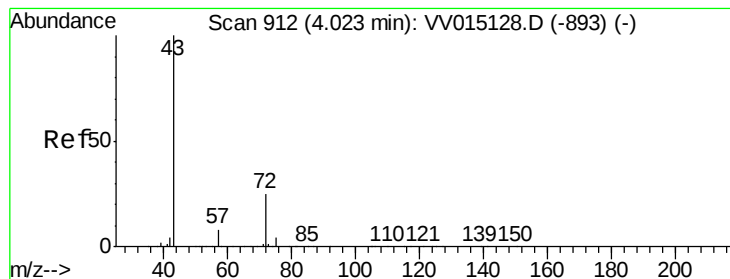
Tot Ion: 63 Resp: 359146
 Ion Ratio Lower Upper
 63 100
 65 30.9 21.6 40.2
 83 13.6 9.5 17.7



#20
 cis-1,2-Dichloroethene
 Concen: 53.600 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV015128.D
 Acq: 25 Mar 2020 04:59

Tgt Ion: 96 Resp: 217062
 Ion Ratio Lower Upper
 96 100
 61 123.8 86.7 160.9
 68 0.2 0.1 0.3





#22

2-Butanone

Concen: 100.422 ug/L

RT: 4.02 min Scan# 912

Delta R.T. 0.00 min

Lab File: VV015128.D

Acq: 25 Mar 2020 04:59

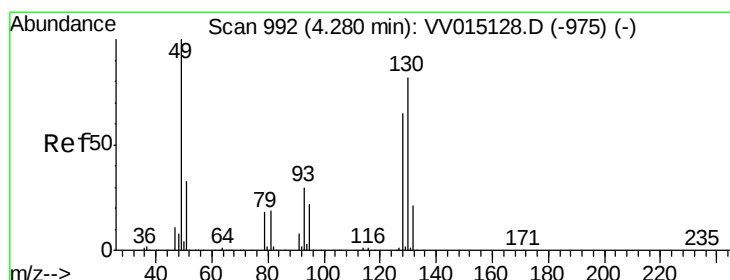
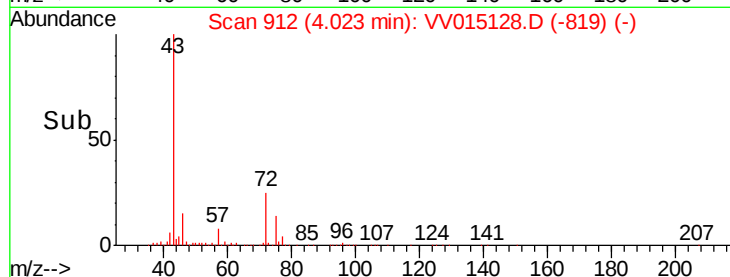
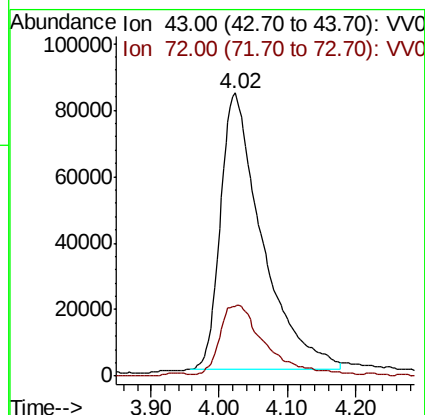
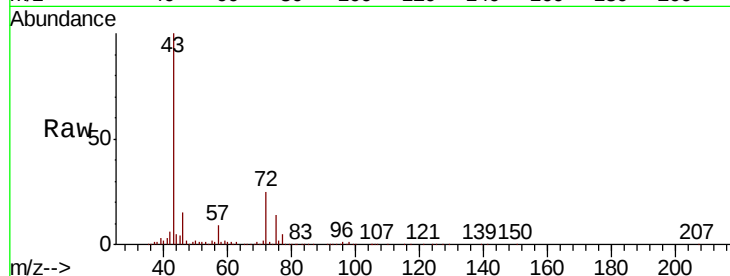
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 354584

Ion Ratio Lower Upper

43 100

72 0.0 0.1 0.5#



#23

Bromochloromethane

Concen: 56.925 ug/L

RT: 4.28 min Scan# 992

Delta R.T. 0.00 min

Lab File: VV015128.D

Acq: 25 Mar 2020 04:59

Tgt Ion:128 Resp: 117115

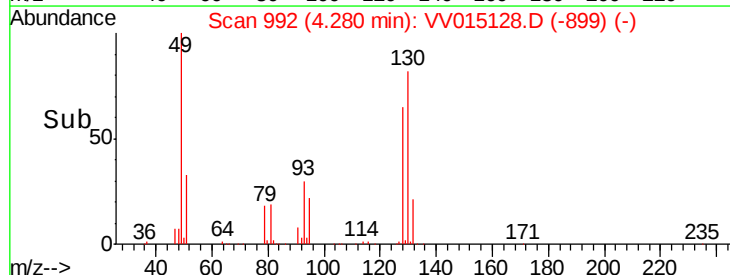
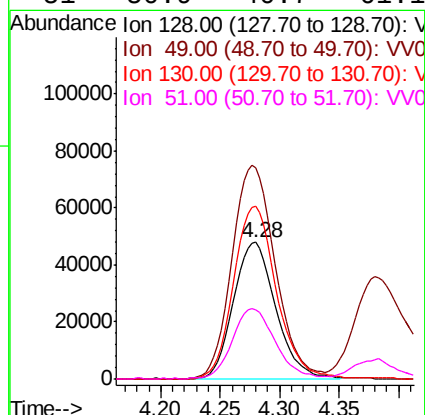
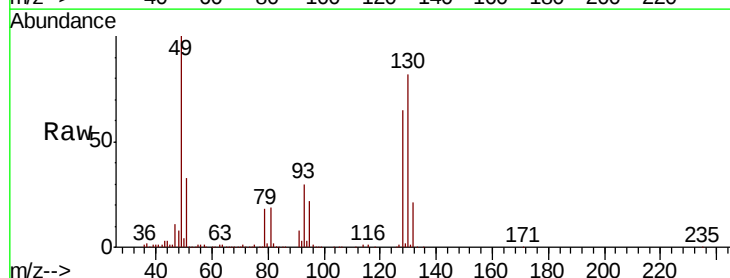
Ion Ratio Lower Upper

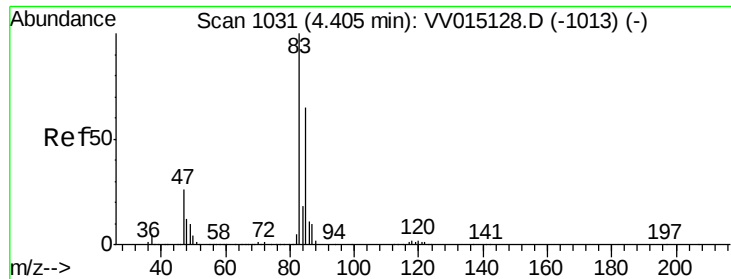
128 100

49 154.2 107.9 200.5

130 126.0 88.2 163.8

51 50.9 40.7 61.1





#25

Chloroform

Concen: 53.349 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VV015128.D

Acq: 25 Mar 2020 04:59

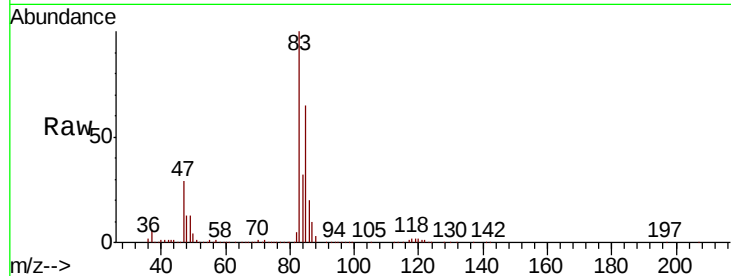
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 372769

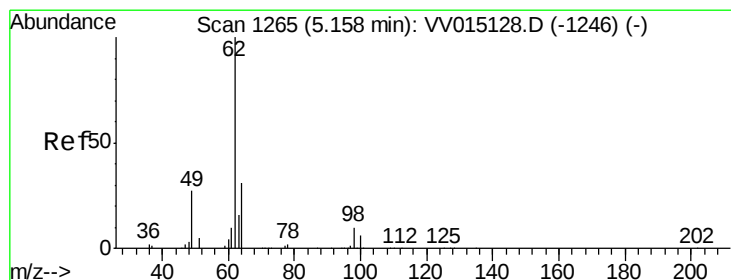
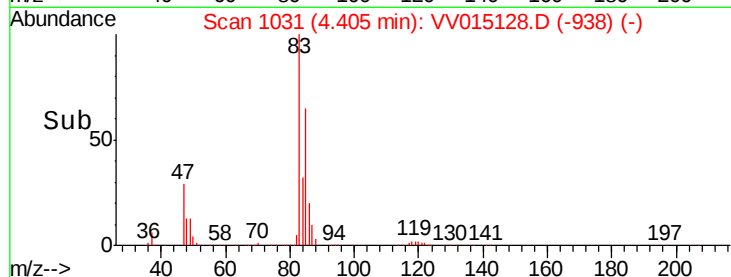
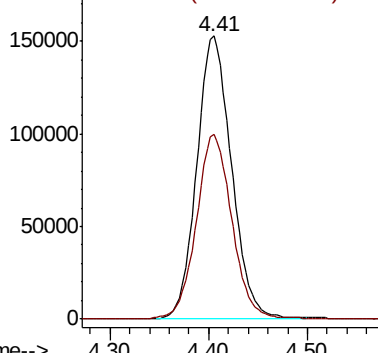
Ion Ratio Lower Upper

83 100

85 65.3 45.7 84.9



Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0



#27

1,2-Dichloroethane

Concen: 54.641 ug/L

RT: 5.16 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VV015128.D

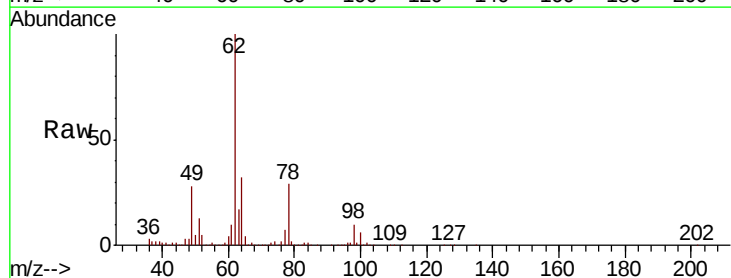
Acq: 25 Mar 2020 04:59

Tgt Ion: 62 Resp: 307203

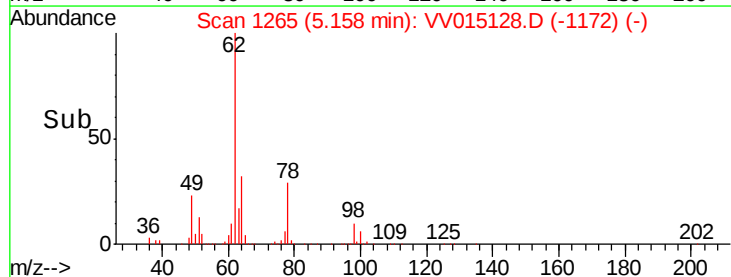
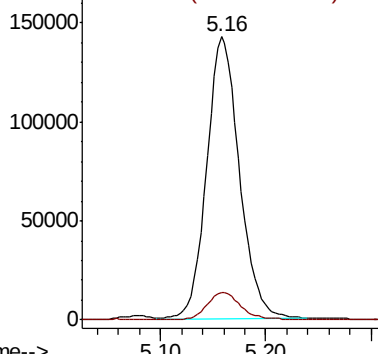
Ion Ratio Lower Upper

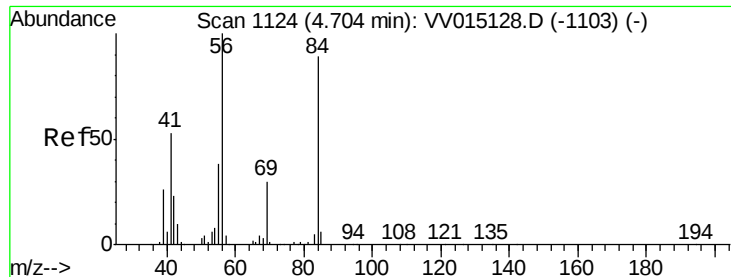
62 100

98 9.6 7.7 11.5



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

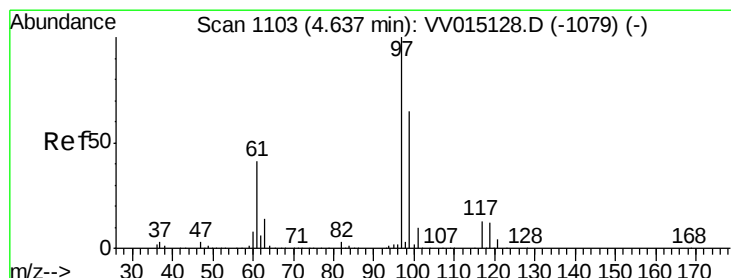
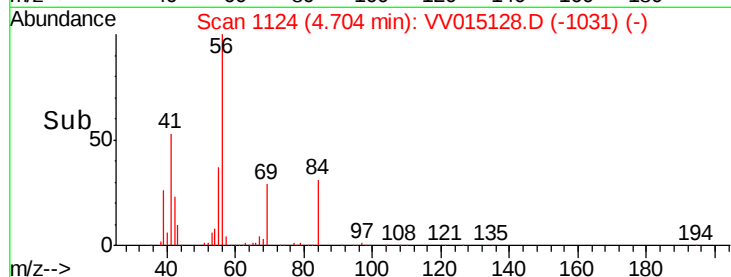
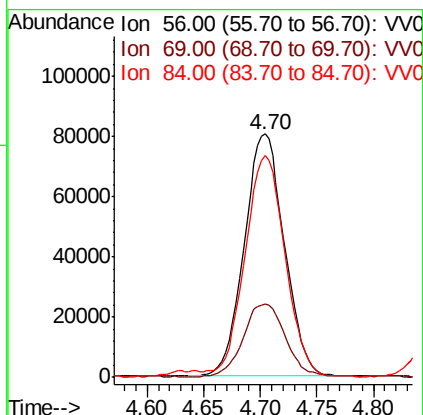
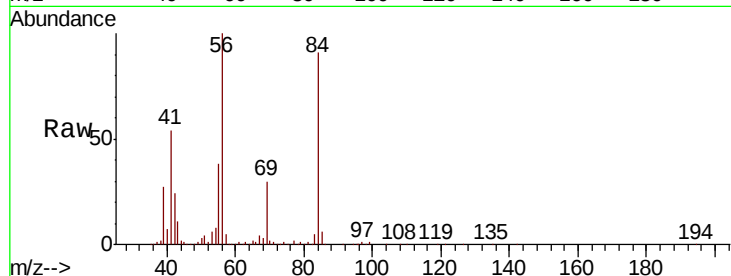




#29
Cyclohexane
Concen: 39.233 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VV015128.D
Acq: 25 Mar 2020 04:59

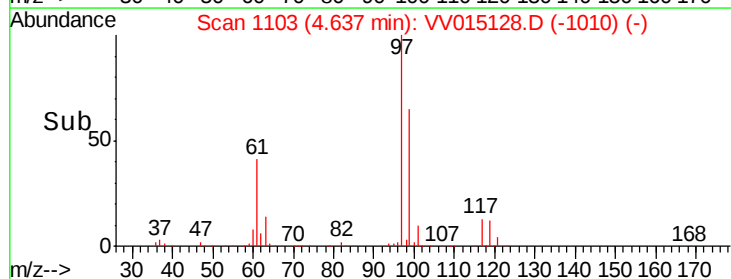
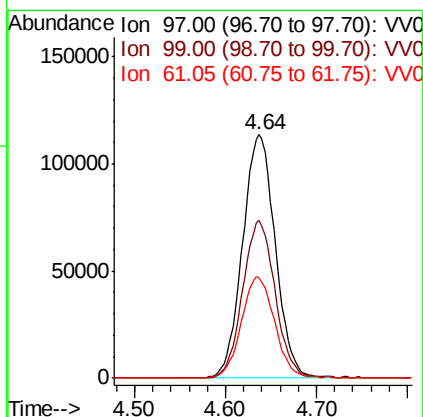
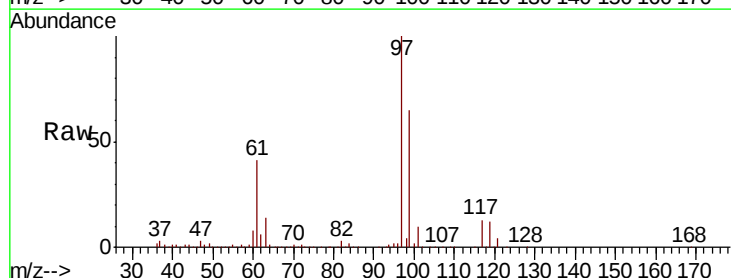
Instrument :
MSVOA_V
ClientSampled :

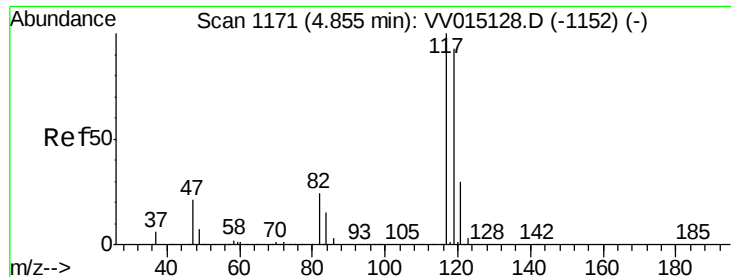
Tot Ion: 56 Resp: 198217
Ion Ratio Lower Upper
56 100
69 31.1 24.9 37.3
84 90.0 72.0 108.0



#30
1,1,1-Trichloroethane
Concen: 50.107 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV015128.D
Acq: 25 Mar 2020 04:59

Tgt Ion: 97 Resp: 282401
Ion Ratio Lower Upper
97 100
99 64.0 51.2 76.8
61 42.4 33.9 50.9





#31

Carbon tetrachloride

Concen: 47.241 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV015128.D

Acq: 25 Mar 2020 04:59

Instrument :

MSVOA_V

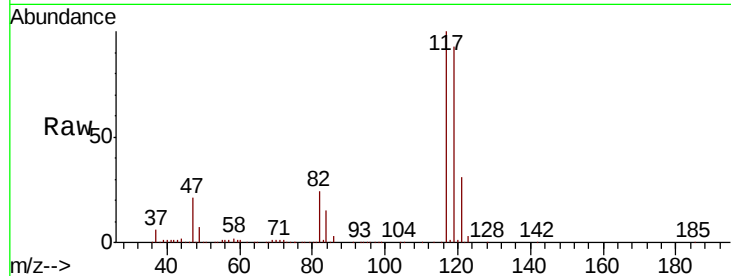
ClientSampled :

Tot Ion:117 Resp: 220256

Ion Ratio Lower Upper

117 100

119 93.6 74.9 112.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.86

100000

80000

60000

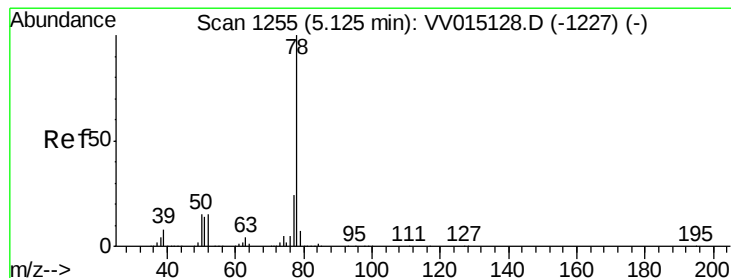
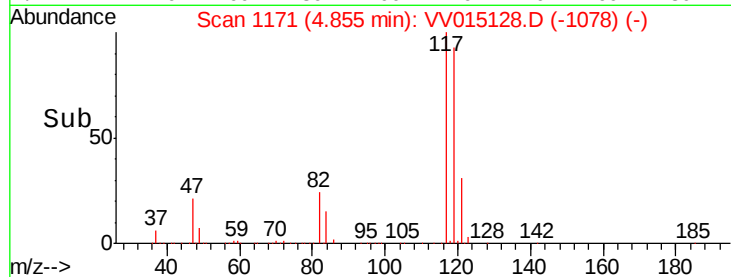
40000

20000

0

Time-->

4.80 4.90



#33

Benzene

Concen: 51.754 ug/L

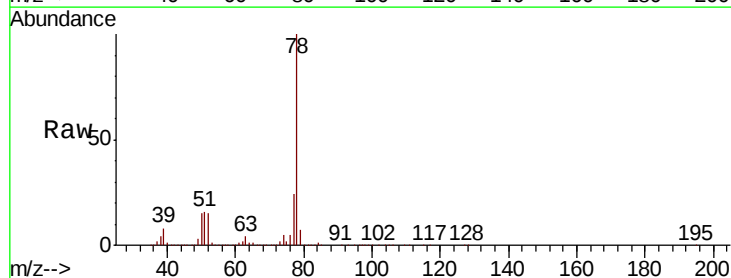
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VV015128.D

Acq: 25 Mar 2020 04:59

Tgt Ion: 78 Resp: 761561



Abundance Ion 78.00 (77.70 to 78.70): VV0

400000

300000

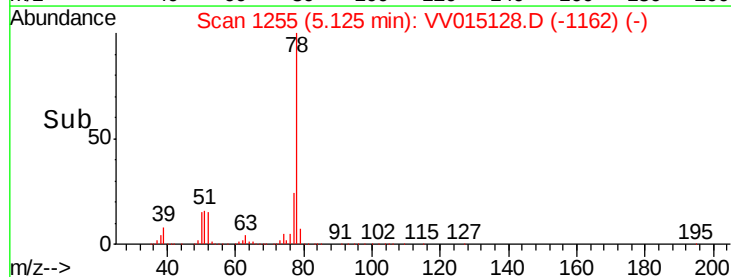
200000

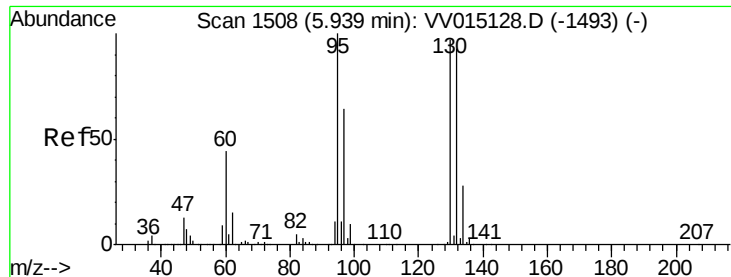
100000

0

Time-->

5.00 5.10 5.20

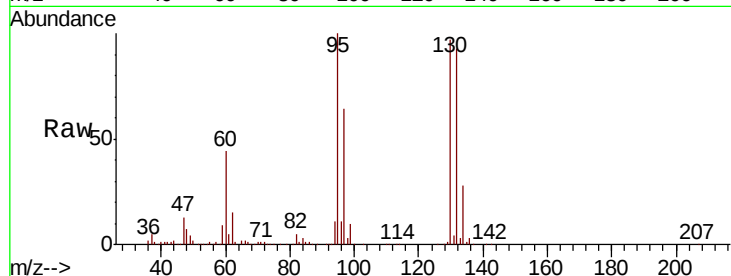




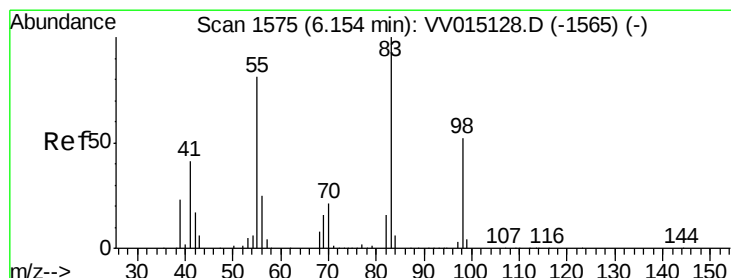
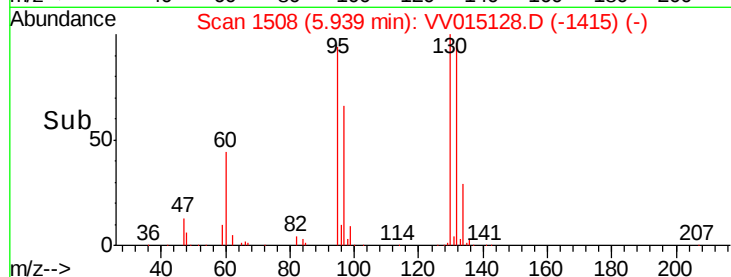
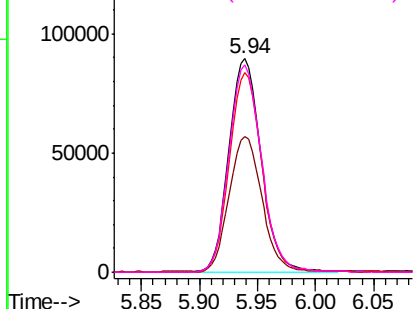
#34
 Trichloroethene
 Concen: 49.196 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV015128.D
 Acq: 25 Mar 2020 04:59

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 171936
 Ion Ratio Lower Upper
 95 100
 97 63.8 44.7 82.9
 132 93.2 65.2 121.2
 130 97.1 68.0 126.2

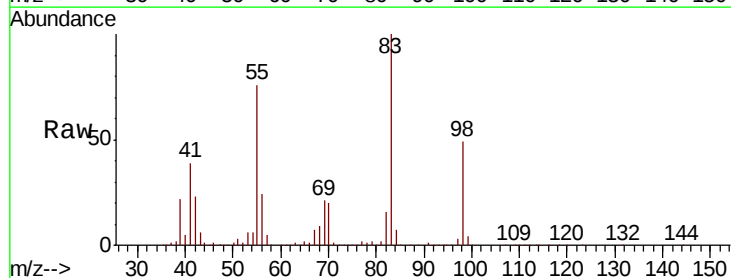


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

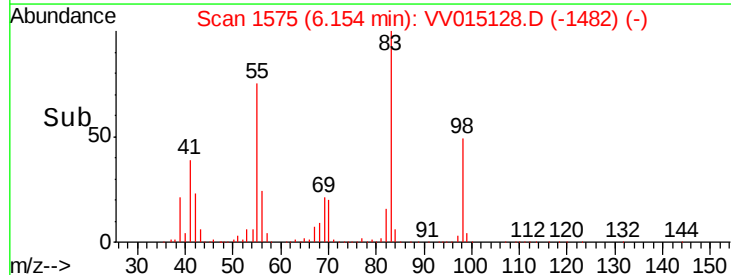
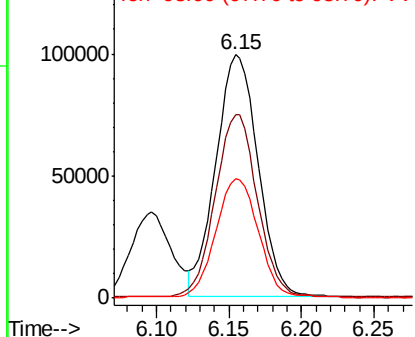


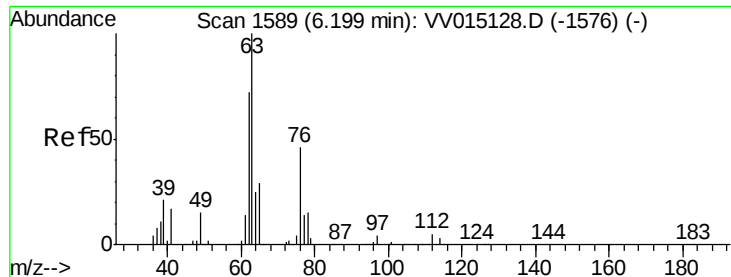
#35
 Methylcyclohexane
 Concen: 41.097 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV015128.D
 Acq: 25 Mar 2020 04:59

Tgt Ion: 83 Resp: 201028
 Ion Ratio Lower Upper
 83 100
 55 74.2 59.4 89.0
 98 49.8 39.8 59.8



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

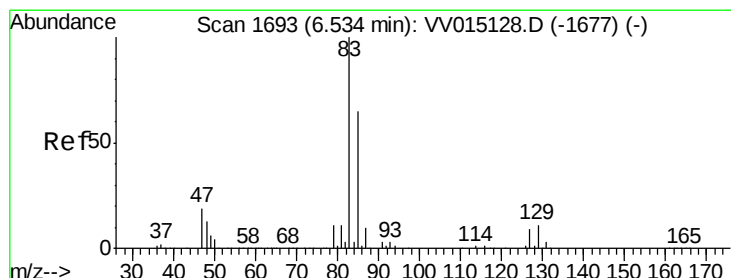
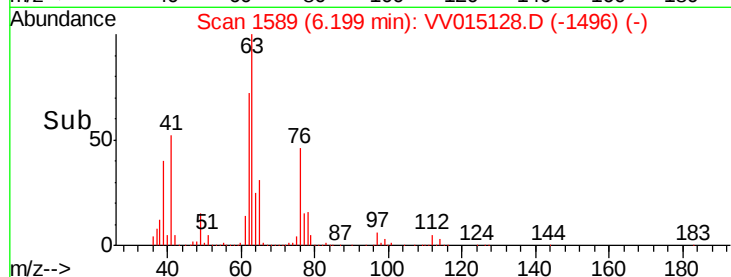
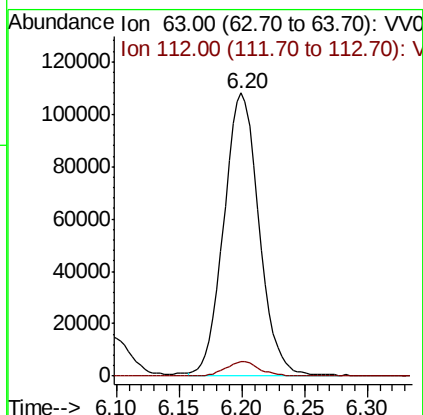
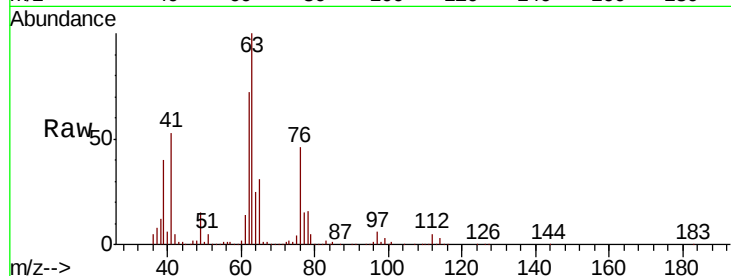




#37
 1,2-Dichloropropane
 Concen: 52.507 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV015128.D
 Acq: 25 Mar 2020 04:59

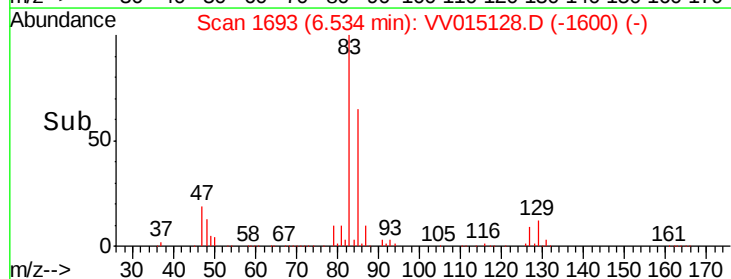
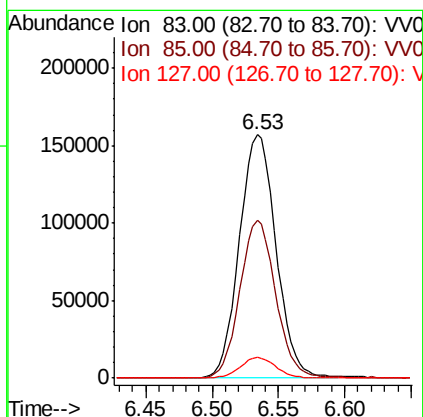
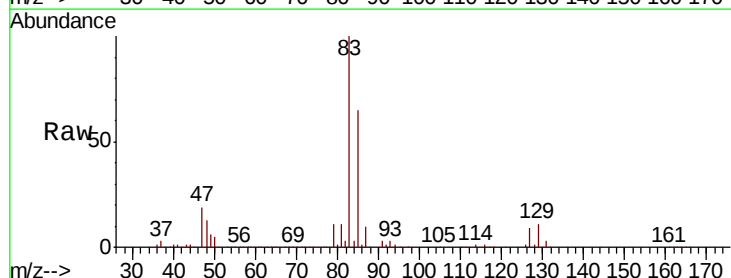
Instrument :
 MSVOA_V
 ClientSampleId :

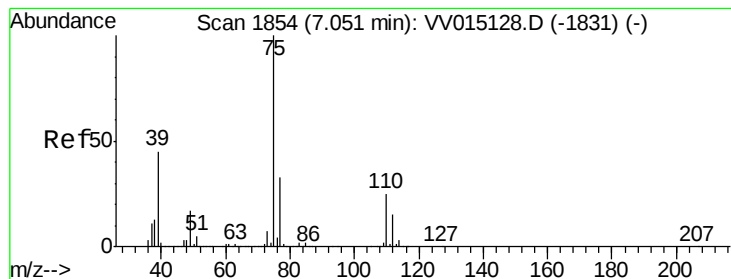
Tot Ion: 63 Resp: 209062
 Ion Ratio Lower Upper
 63 100
 112 5.0 4.0 6.0



#38
 Bromodichloromethane
 Concen: 54.537 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV015128.D
 Acq: 25 Mar 2020 04:59

Tgt Ion: 83 Resp: 300842
 Ion Ratio Lower Upper
 83 100
 85 65.0 45.5 84.5
 127 8.6 6.9 10.3



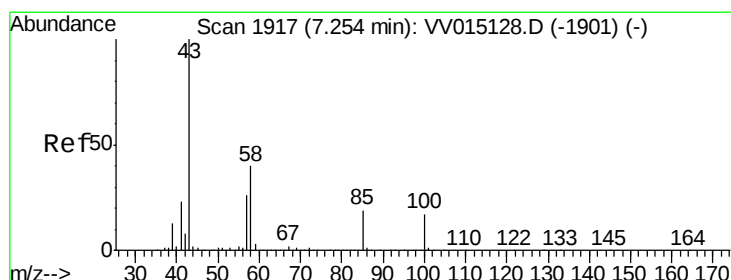
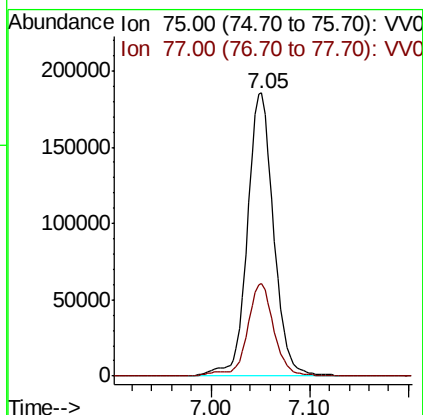
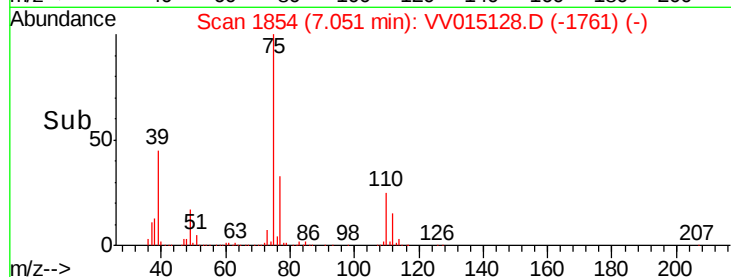
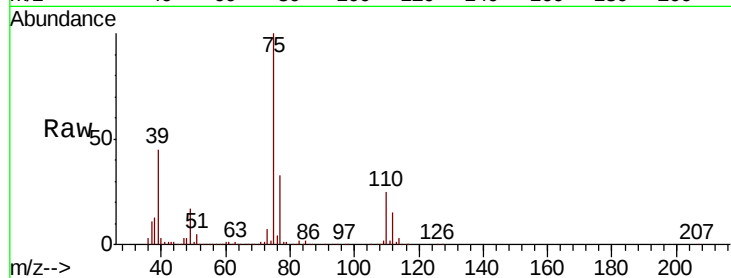


#39

cis-1,3-Dichloropropene
Concen: 52.670 ug/L
RT: 7.05 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VV015128.D
Acq: 25 Mar 2020 04:59

Instrument :
MSVOA_V
ClientSampleId :

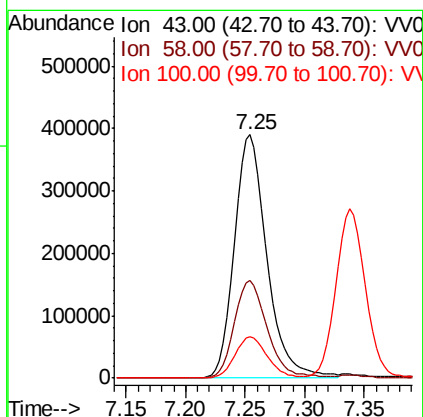
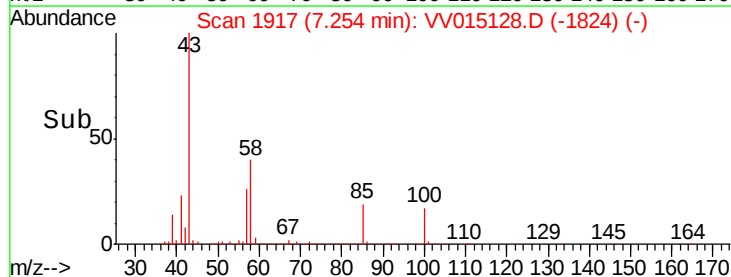
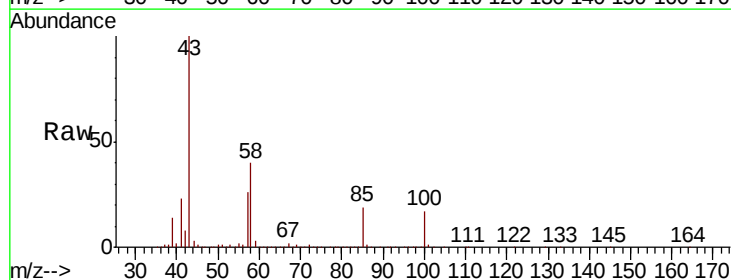
Tot Ion: 75 Resp: 340449
Ion Ratio Lower Upper
75 100
77 32.9 23.0 42.8

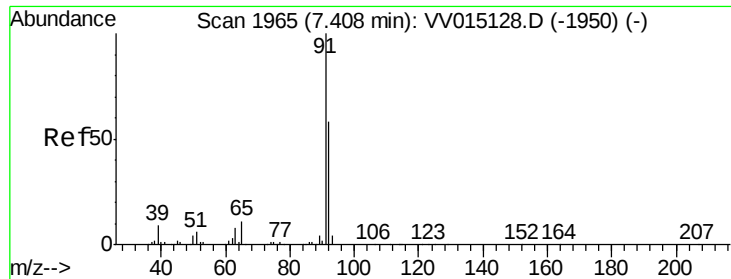


#40

4-Methyl-2-pentanone
Concen: 110.188 ug/L
RT: 7.25 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VV015128.D
Acq: 25 Mar 2020 04:59

Tgt Ion: 43 Resp: 733693
Ion Ratio Lower Upper
43 100
58 41.0 32.8 49.2
100 17.0 13.6 20.4





#42

Toluene

Concen: 48.491 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015128.D

Acq: 25 Mar 2020 04:59

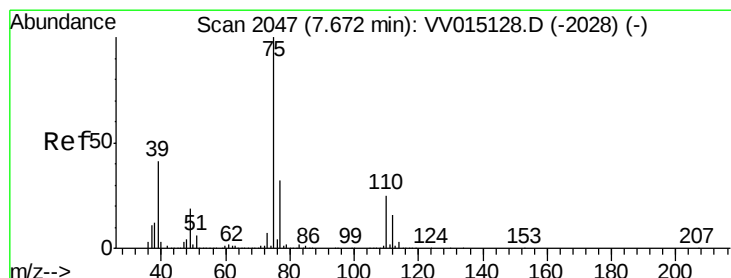
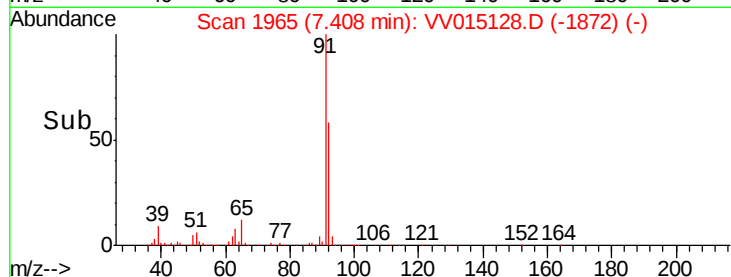
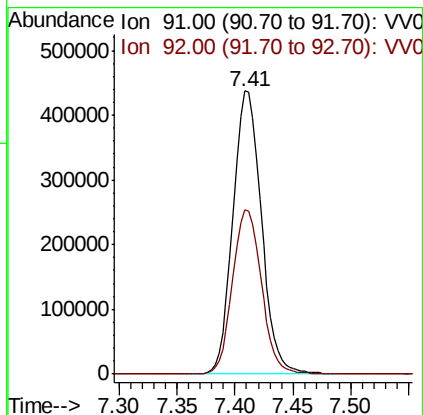
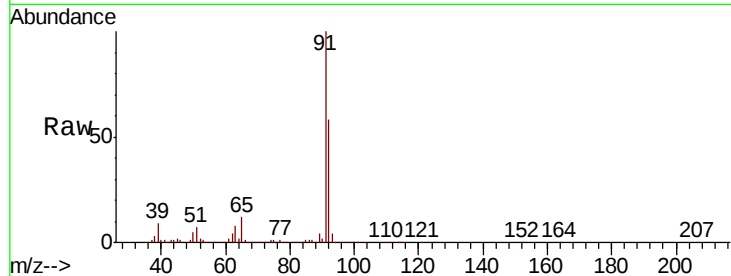
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 744905

Ion Ratio Lower Upper

91 100

92 57.9 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 55.577 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015128.D

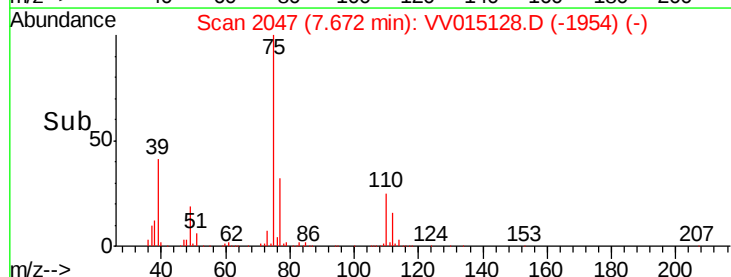
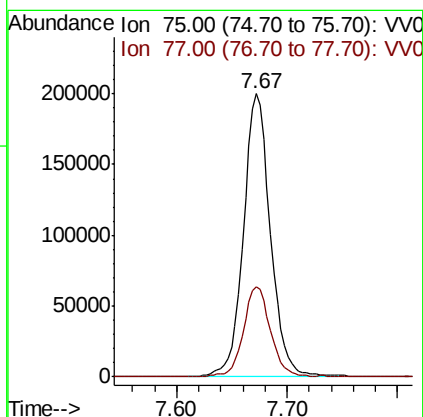
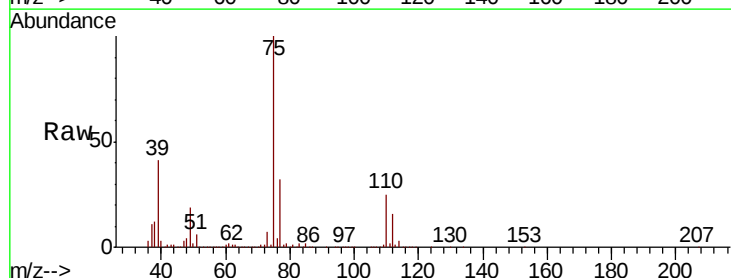
Acq: 25 Mar 2020 04:59

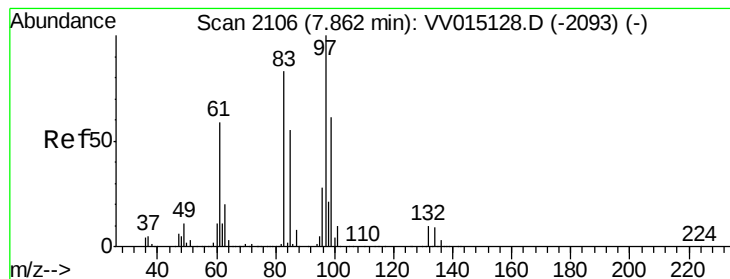
Tgt Ion: 75 Resp: 337787

Ion Ratio Lower Upper

75 100

77 31.9 22.3 41.5





#45

1,1,2-Trichloroethane

Concen: 57.079 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VV015128.D

Acq: 25 Mar 2020 04:59

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 221686

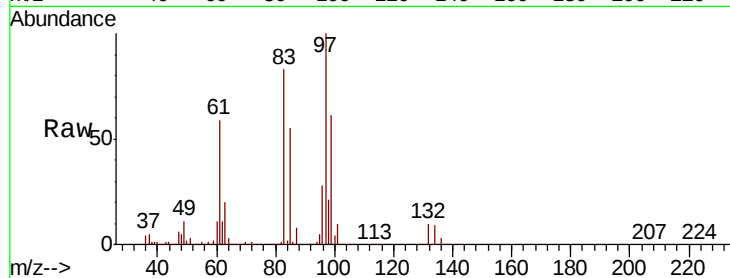
Ion Ratio Lower Upper

97 100

99 61.0 42.7 79.3

83 83.5 58.4 108.6

85 54.9 38.4 71.4

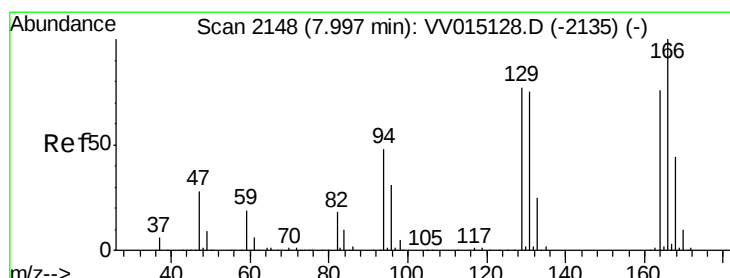
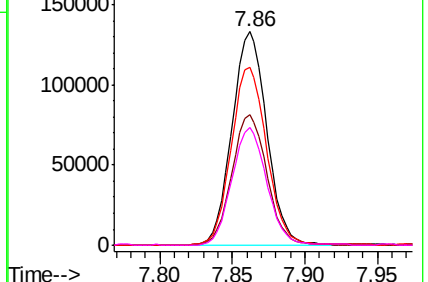
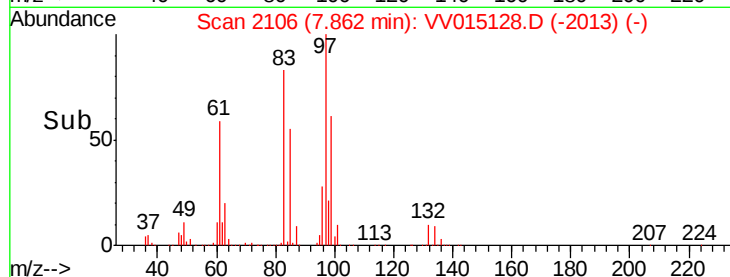


Abundance Ion 97.00 (96.70 to 97.70): VV0

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: 43.563 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV015128.D

Acq: 25 Mar 2020 04:59

Tgt Ion: 164 Resp: 102420

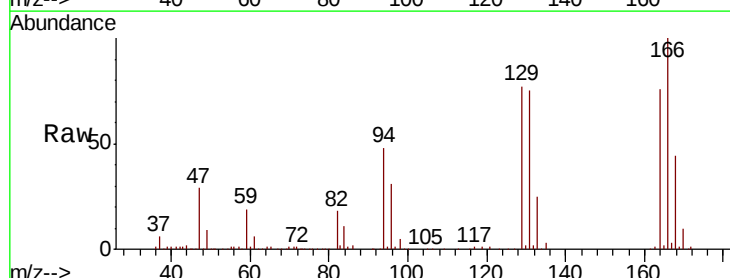
Ion Ratio Lower Upper

164 100

129 101.2 70.8 131.6

131 97.7 68.4 127.0

166 131.1 91.8 170.4

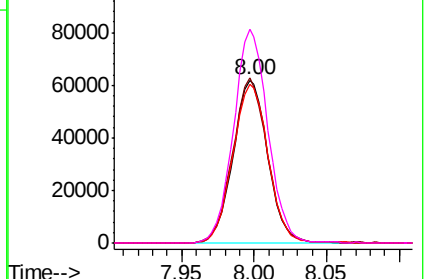
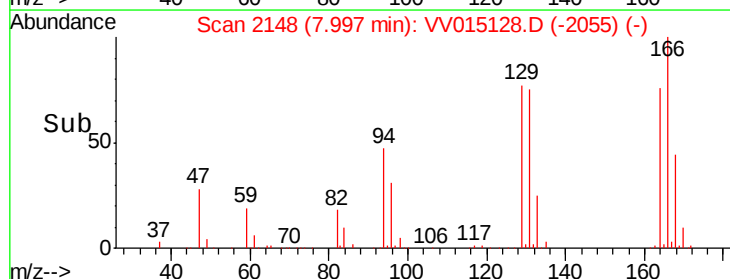


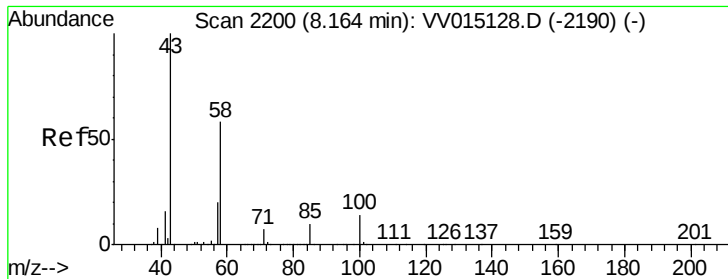
Abundance Ion 164.00 (163.70 to 164.70): V

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

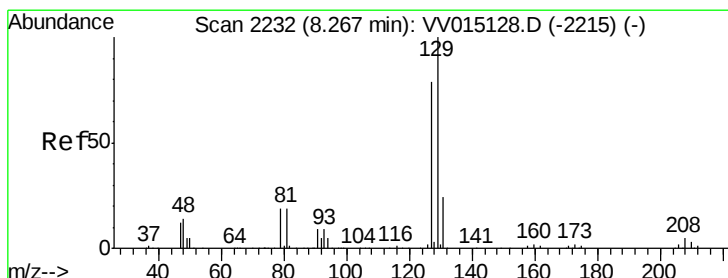
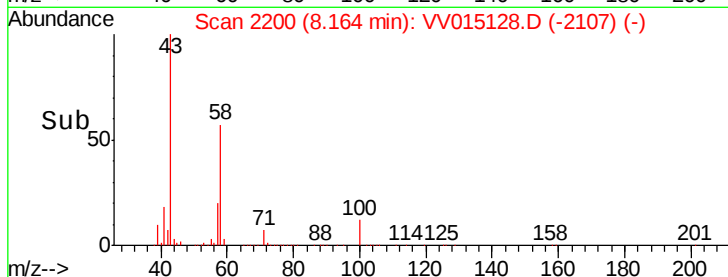
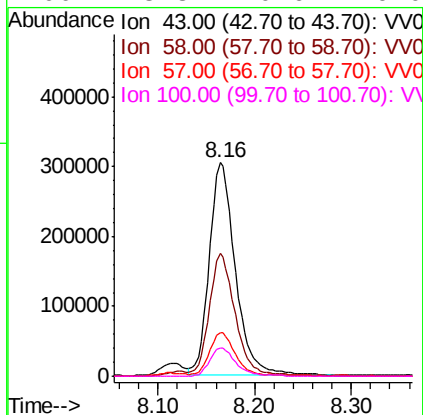
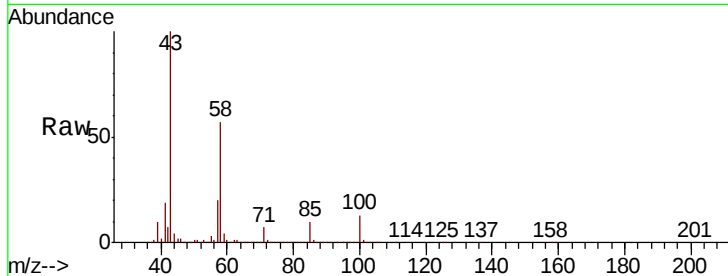




#48
2-Hexanone
Concen: 111.181 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV015128.D
Acq: 25 Mar 2020 04:59

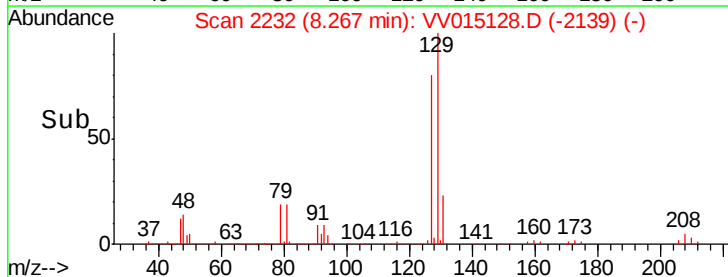
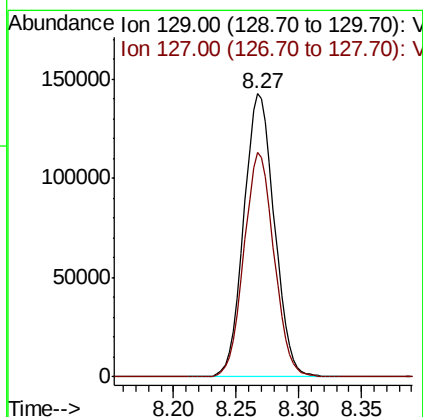
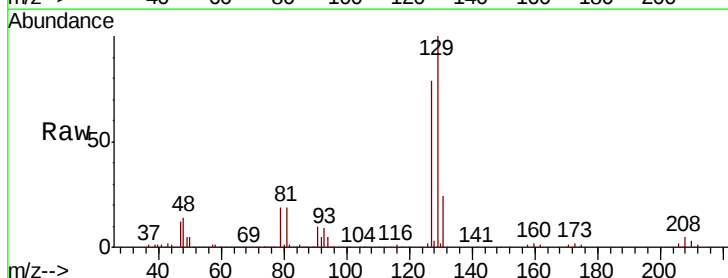
Instrument :
MSVOA_V
ClientSampleId :

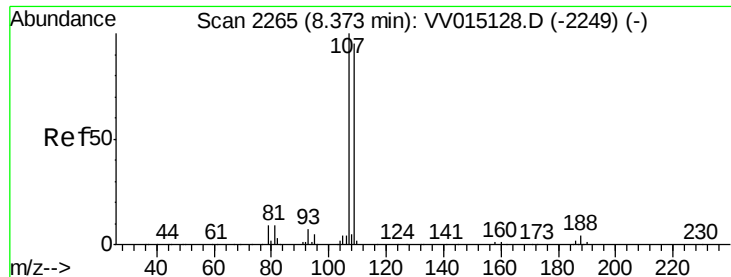
Tot Ion: 43 Resp: 568204
Ion Ratio Lower Upper
43 100
58 56.3 45.0 67.6
57 18.3 14.6 22.0
100 13.3 10.6 16.0



#49
Dibromochloromethane
Concen: 54.748 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV015128.D
Acq: 25 Mar 2020 04:59

Tgt Ion: 129 Resp: 242304
Ion Ratio Lower Upper
129 100
127 79.1 55.4 102.8

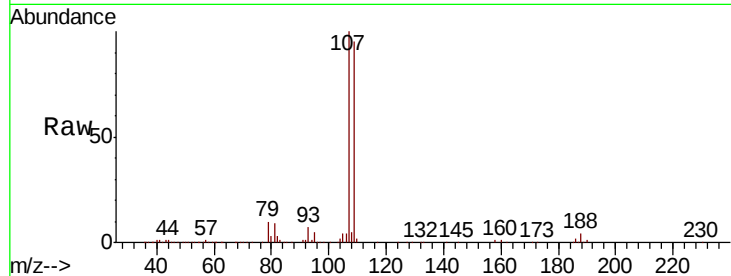




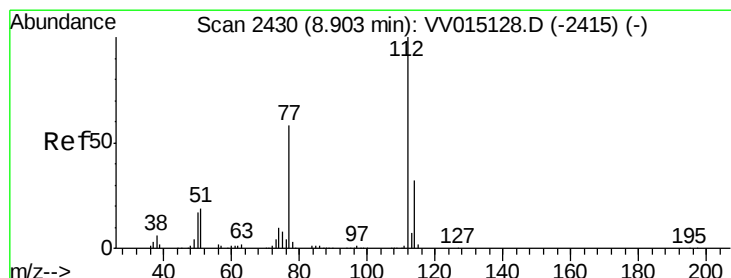
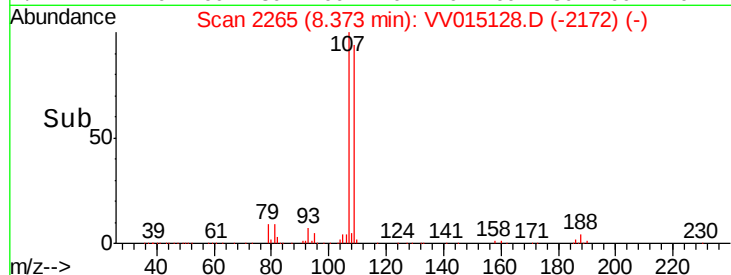
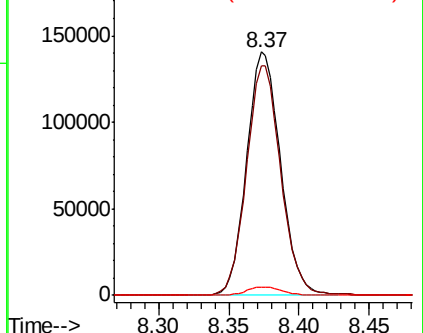
#50
1,2-Dibromoethane
Concen: 55.795 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV015128.D
Acq: 25 Mar 2020 04:59

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	66.1	122.8
188	3.5	2.8	4.2

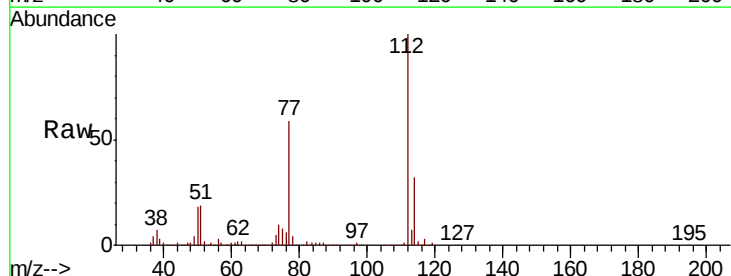


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

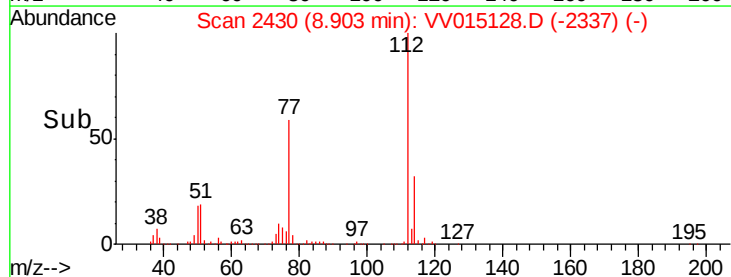
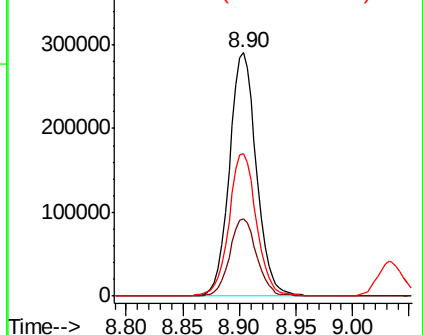


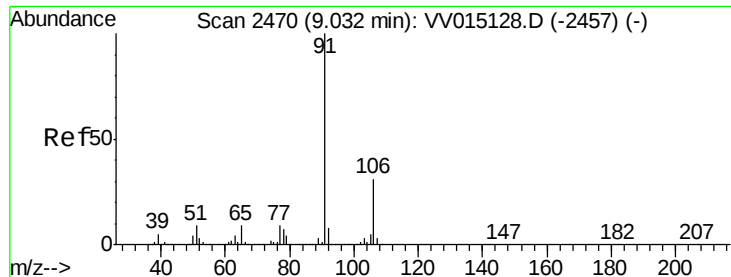
#51
Chlorobenzene
Concen: 48.741 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015128.D
Acq: 25 Mar 2020 04:59

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.3	41.3
77	58.7	47.0	70.4



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

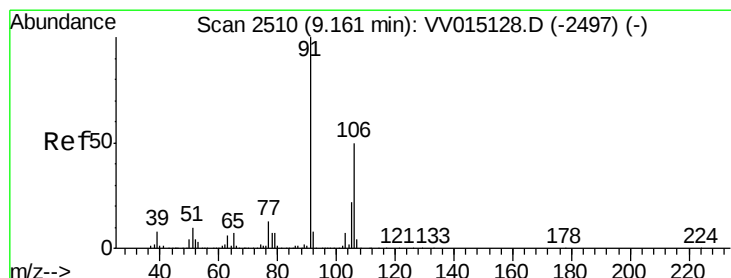
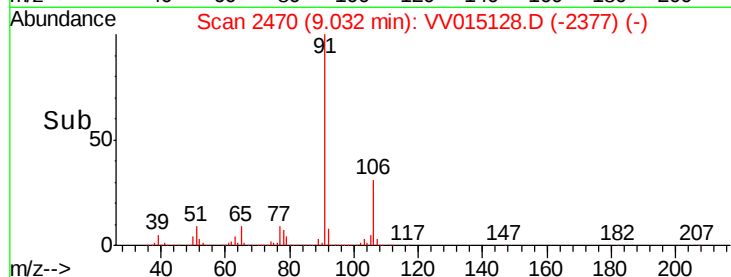
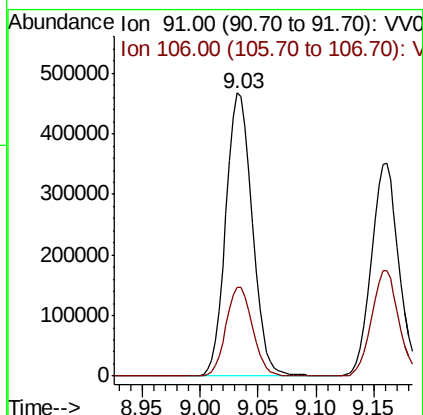
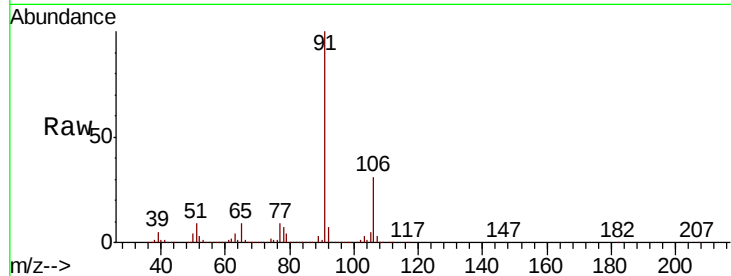




#52
Ethylbenzene
Concen: 45.048 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV015128.D
Acq: 25 Mar 2020 04:59

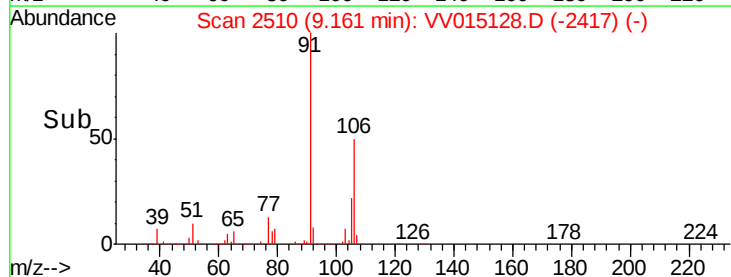
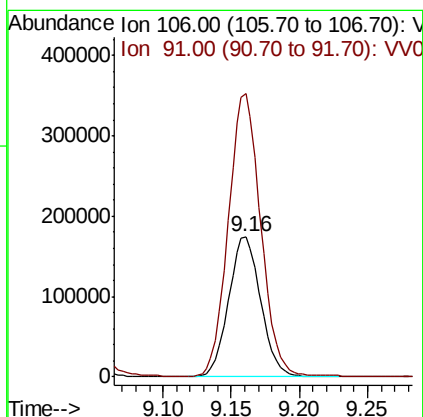
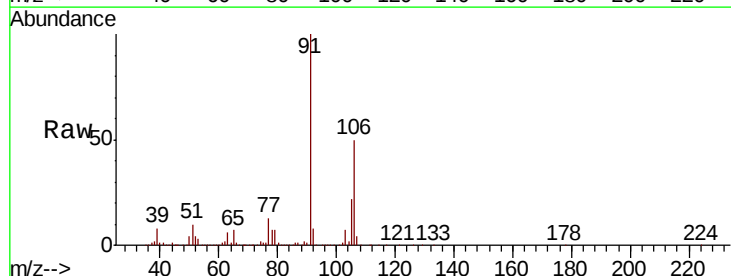
Instrument :
MSVOA_V
ClientSampleId :

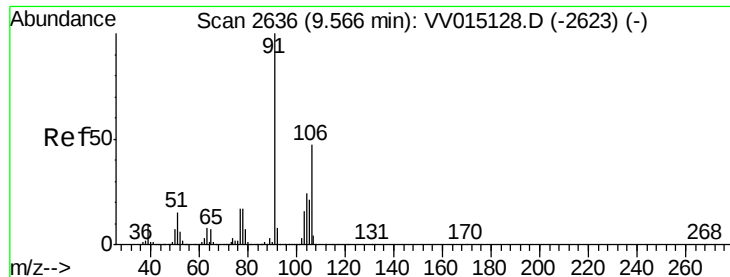
Tot Ion: 91 Resp: 739824
Ion Ratio Lower Upper
91 100
106 31.4 22.0 40.8



#53
m,p-Xylene
Concen: 45.926 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV015128.D
Acq: 25 Mar 2020 04:59

Tgt Ion: 106 Resp: 286736
Ion Ratio Lower Upper
106 100
91 201.9 141.3 262.5





#54

o-xylene

Concen: 47.002 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV015128.D

Acq: 25 Mar 2020 04:59

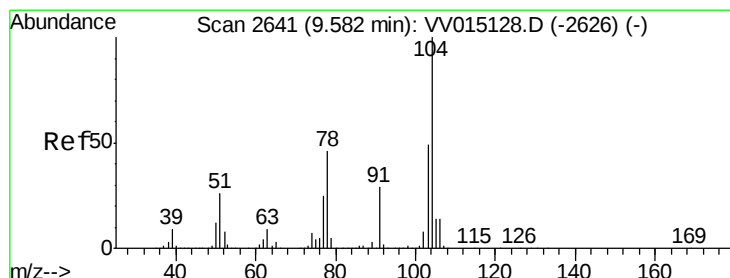
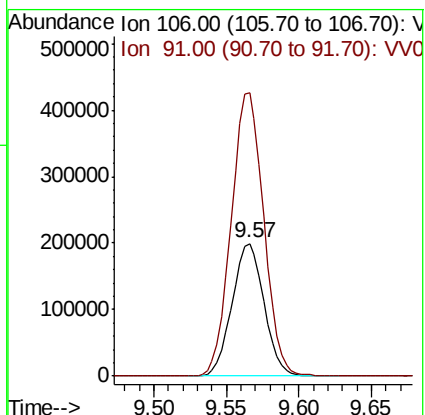
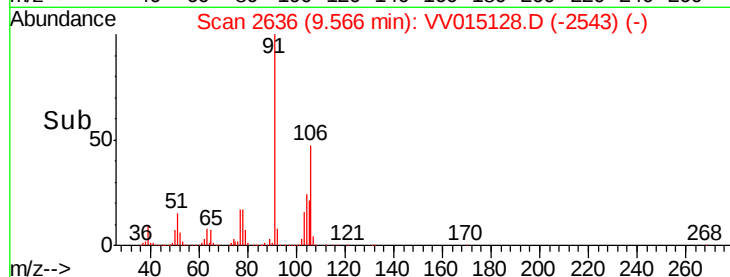
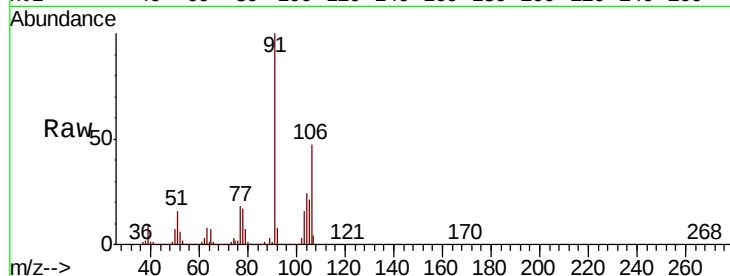
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 305766

Ion Ratio Lower Upper

106 100

91 212.9 149.0 276.8



#55

Styrene

Concen: 47.750 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV015128.D

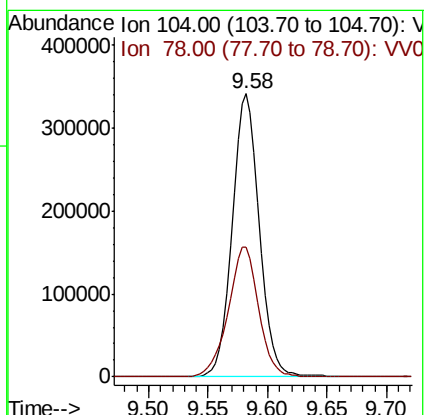
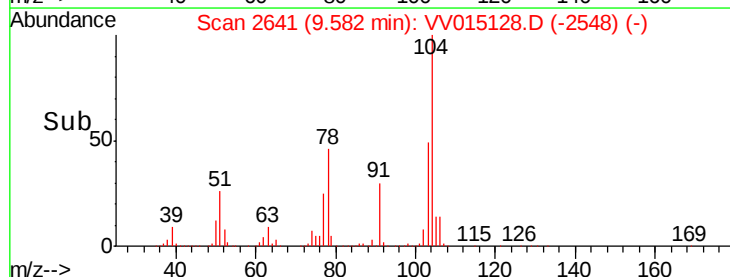
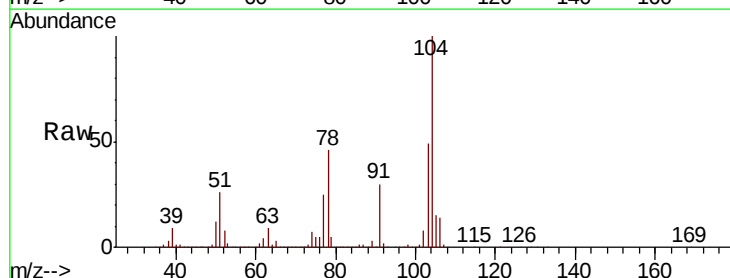
Acq: 25 Mar 2020 04:59

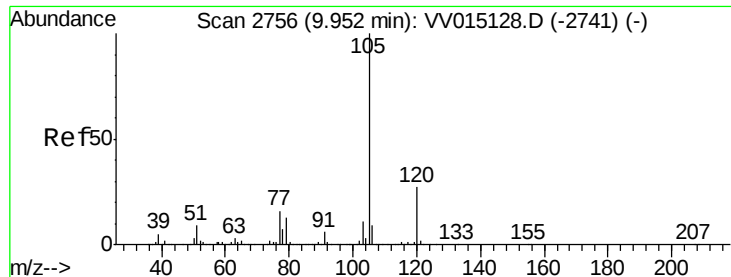
Tgt Ion:104 Resp: 538180

Ion Ratio Lower Upper

104 100

78 45.8 32.1 59.5





#56

Isopropylbenzene

Concen: 43.754 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015128.D

Acq: 25 Mar 2020 04:59

Instrument :

MSVOA_V

ClientSampleId :

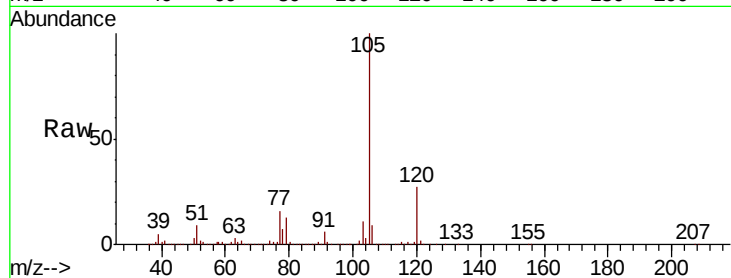
Tot Ion:105 Resp: 689390

Ion Ratio Lower Upper

105 100

120 26.7 21.4 32.0

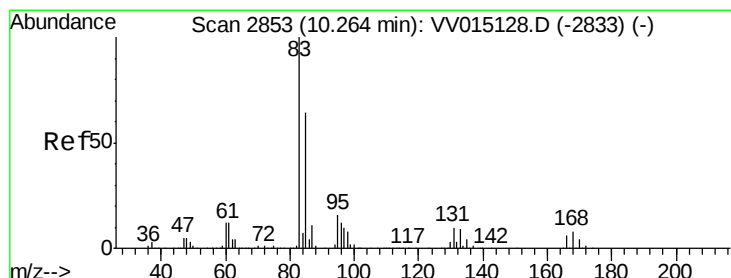
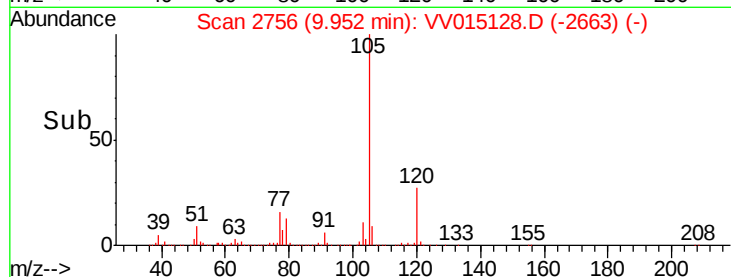
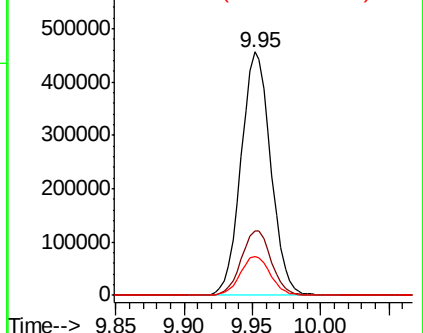
77 16.0 12.8 19.2



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: 55.627 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015128.D

Acq: 25 Mar 2020 04:59

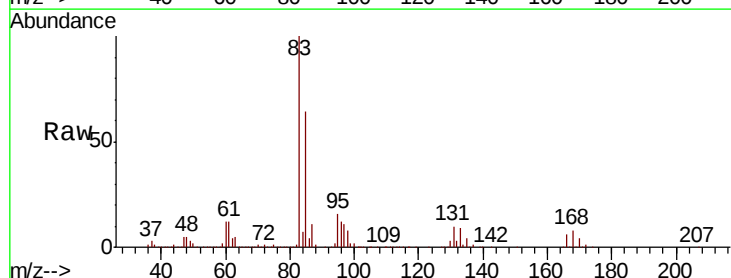
Tgt Ion: 83 Resp: 369061

Ion Ratio Lower Upper

83 100

85 63.7 44.6 82.8

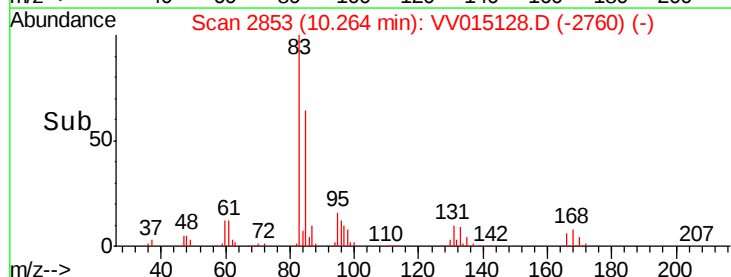
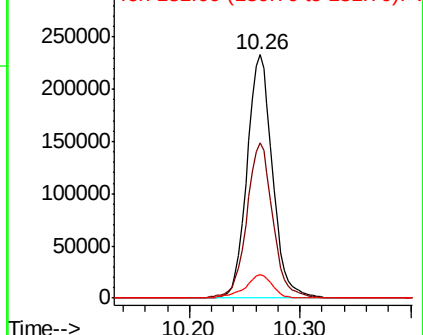
131 9.8 7.8 11.8

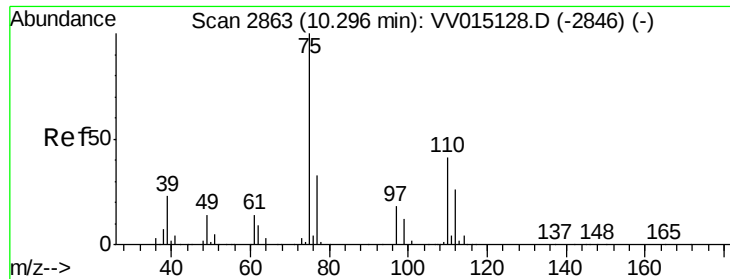


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 55.970 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV015128.D

Acq: 25 Mar 2020 04:59

Instrument :

MSVOA_V

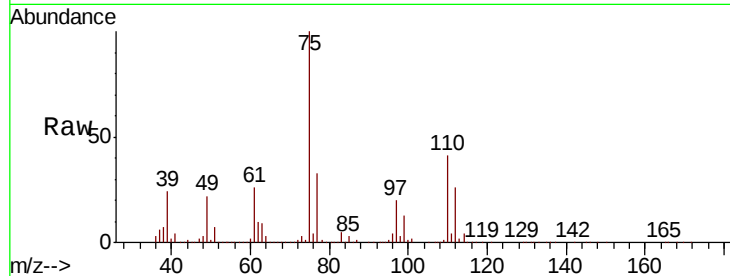
ClientSampleId :

Tot Ion: 75 Resp: 300705

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV015128.D (-2846) (-)

Ion 77.00 (76.70 to 77.70): VV015128.D (-2846) (-)

10.30

200000

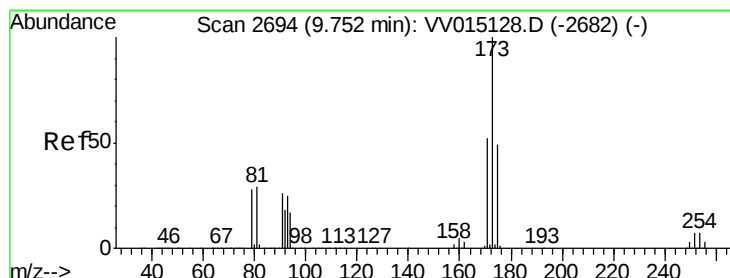
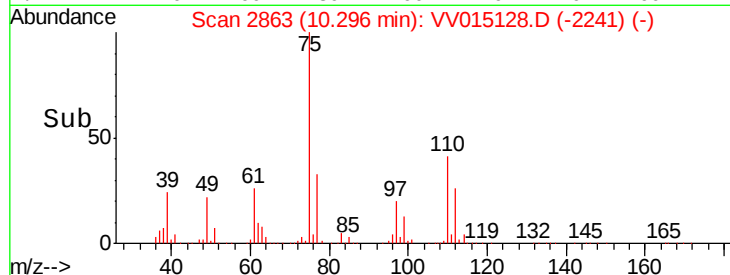
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 58.738 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV015128.D

Acq: 25 Mar 2020 04:59

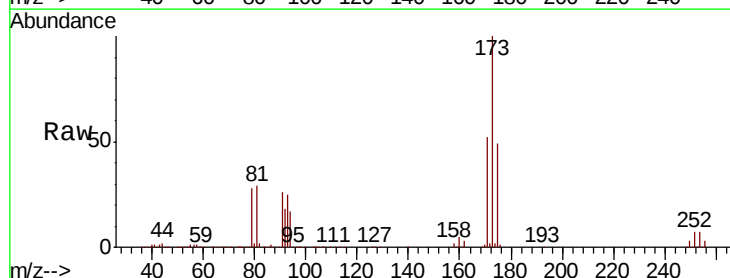
Tgt Ion: 173 Resp: 173753

Ion Ratio Lower Upper

173 100

175 48.1 38.5 57.7

254 7.5 6.0 9.0



Abundance Ion 173.00 (172.70 to 173.70): VV015128.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV015128.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV015128.D (-2682) (-)

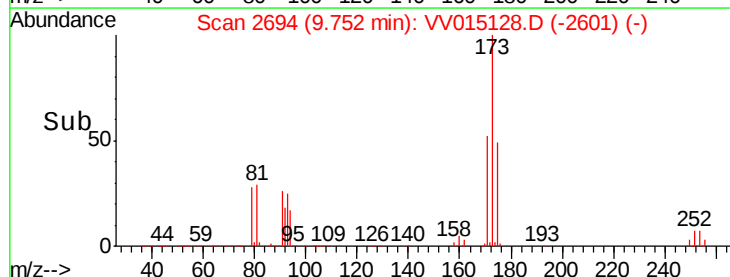
9.75

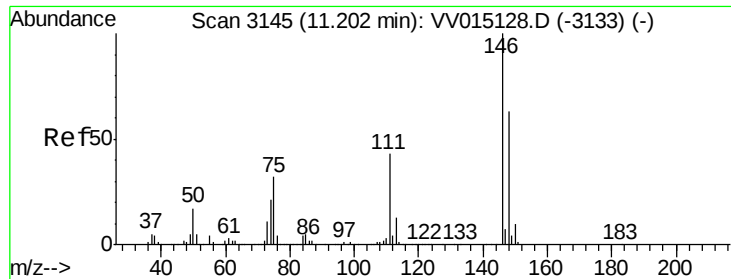
100000

50000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 47.854 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015128.D

Acq: 25 Mar 2020 04:59

Instrument :

MSVOA_V

ClientSampled :

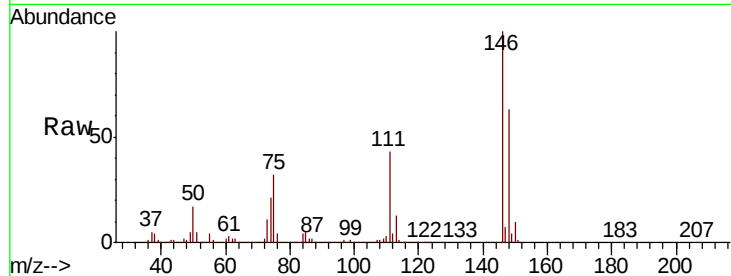
Tot Ion:146 Resp: 324465

Ion Ratio Lower Upper

146 100

111 42.5 29.8 55.3

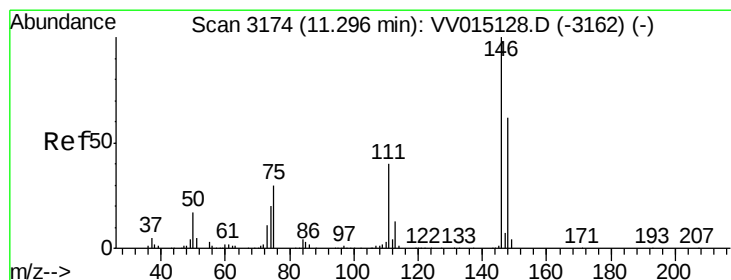
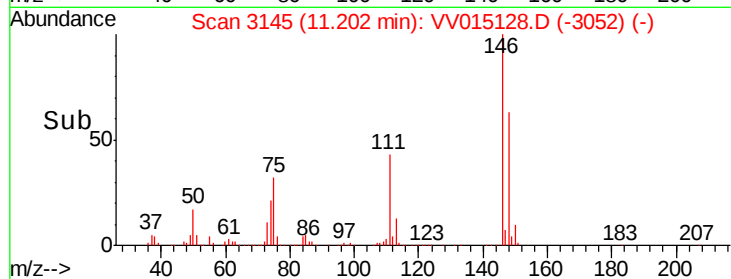
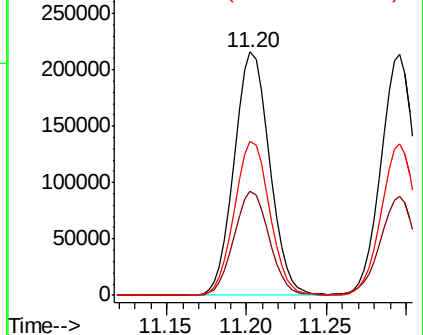
148 63.2 44.2 82.2



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: 47.271 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015128.D

Acq: 25 Mar 2020 04:59

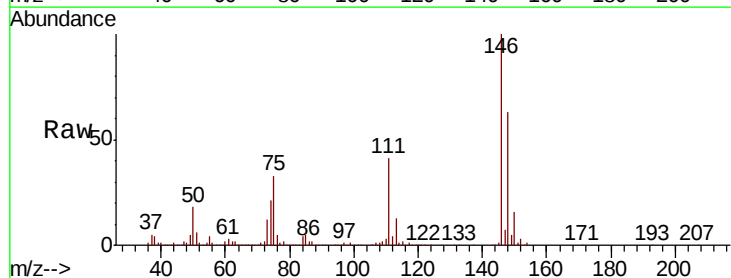
Tgt Ion:146 Resp: 323751

Ion Ratio Lower Upper

146 100

111 40.8 28.6 53.0

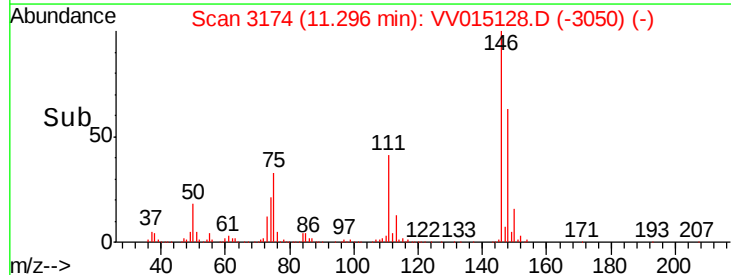
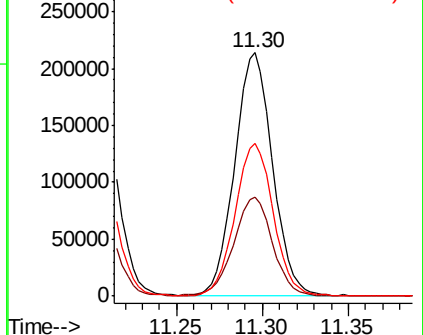
148 62.5 43.8 81.3

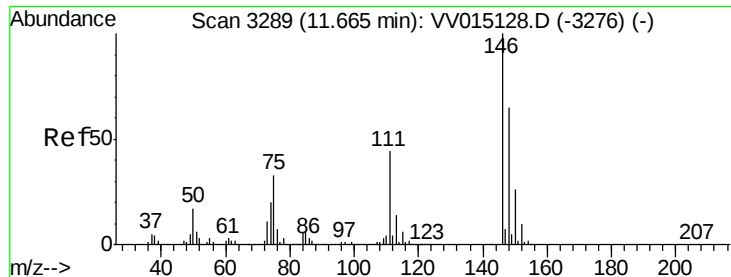


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 49.770 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015128.D

Acq: 25 Mar 2020 04:59

Instrument :

MSVOA_V

ClientSampleId :

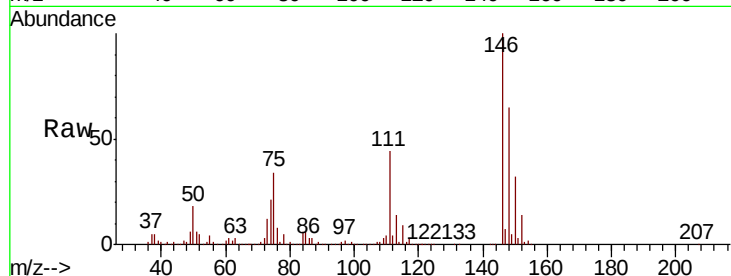
Tot Ion:146 Resp: 354996

Ion Ratio Lower Upper

146 100

111 44.2 35.4 53.0

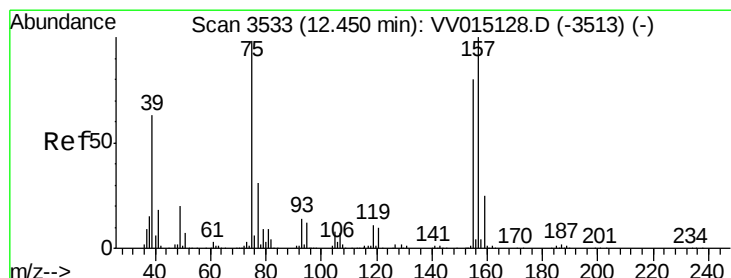
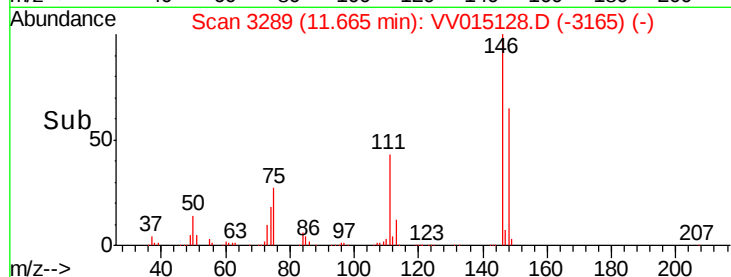
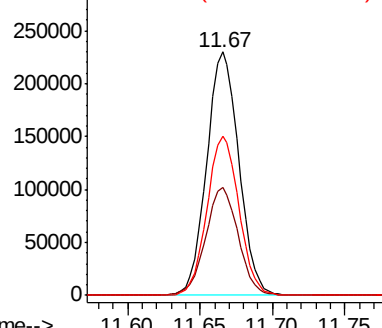
148 65.3 52.2 78.4



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: 60.361 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV015128.D

Acq: 25 Mar 2020 04:59

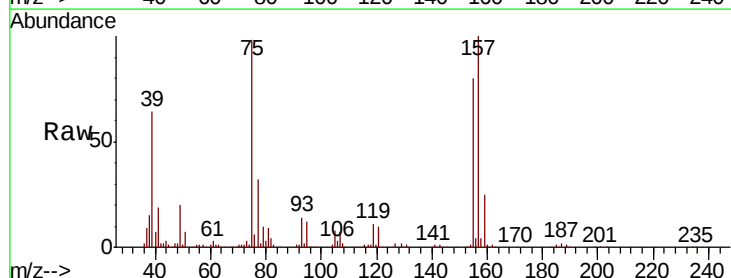
Tgt Ion: 75 Resp: 101750

Ion Ratio Lower Upper

75 100

155 81.1 64.9 97.3

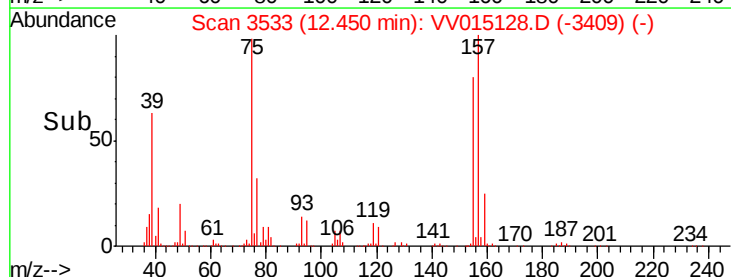
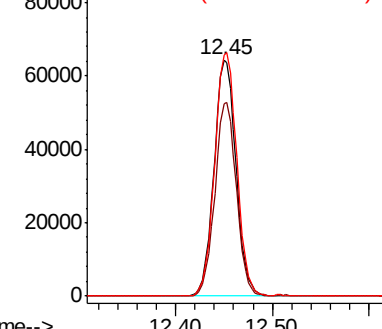
157 102.0 81.6 122.4

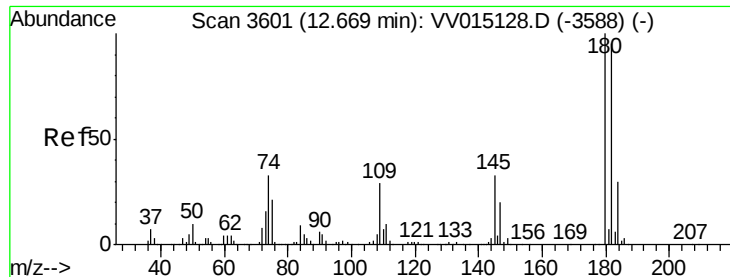


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

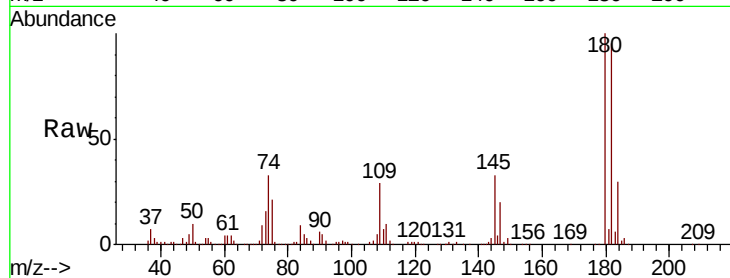




#67
 1,3,5-Trichlorobenzene
 Concen: 44.174 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015128.D
 Acq: 25 Mar 2020 04:59

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.8	113.6
184	30.0	24.0	36.0
145	33.1	26.5	39.7



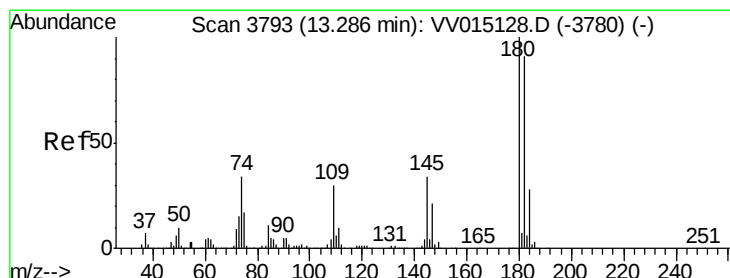
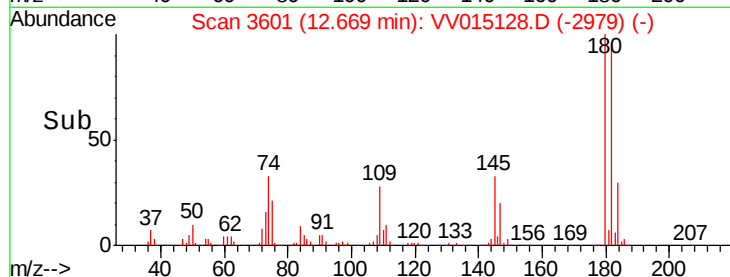
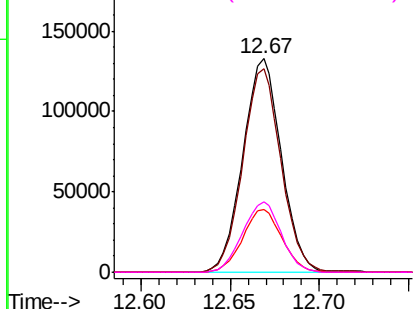
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

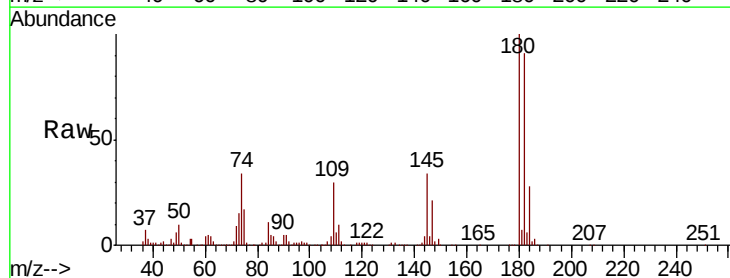
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 46.188 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015128.D
 Acq: 25 Mar 2020 04:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	75.0	112.4
145	34.7	27.8	41.6

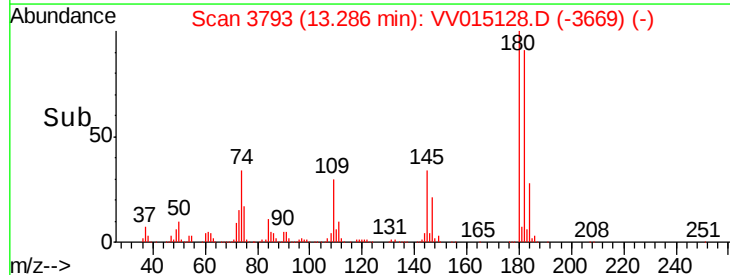
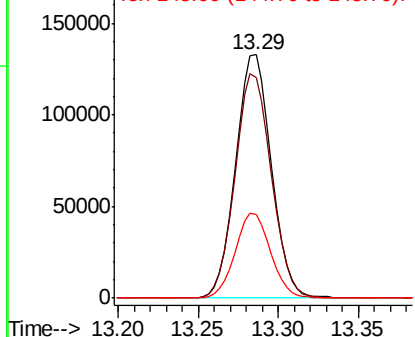


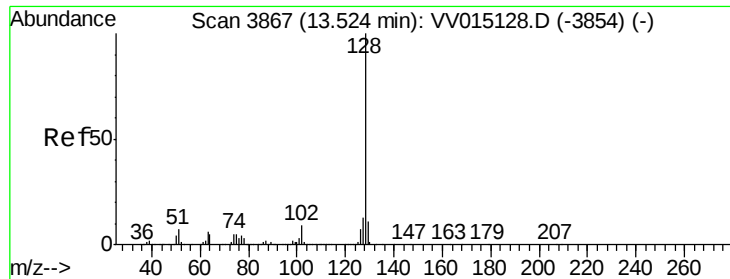
Abundance

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: 89.756 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV015128.D

Acq: 25 Mar 2020 04:59

Instrument :

MSVOA_V

ClientSampleId :

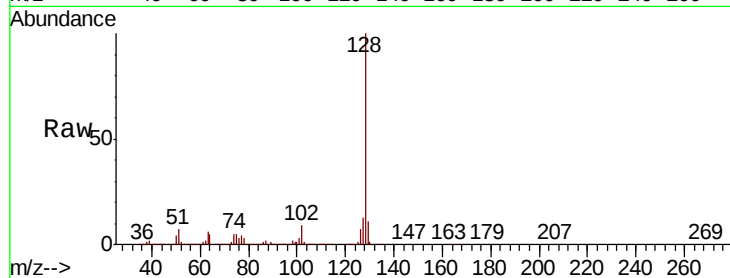
Tot Ion:128 Resp: 983209

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

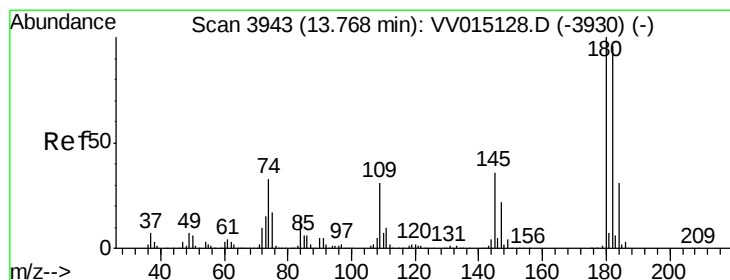
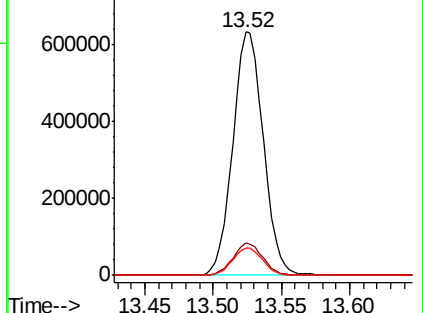
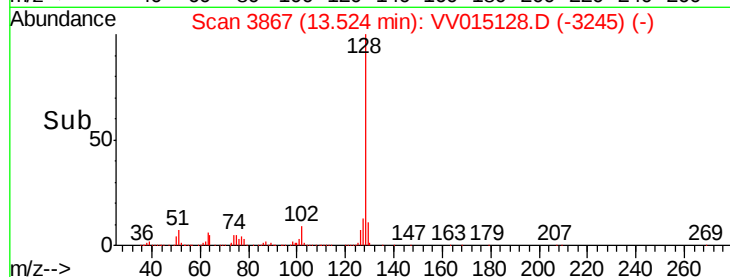
129 11.2 9.0 13.4



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: 47.941 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015128.D

Acq: 25 Mar 2020 04:59

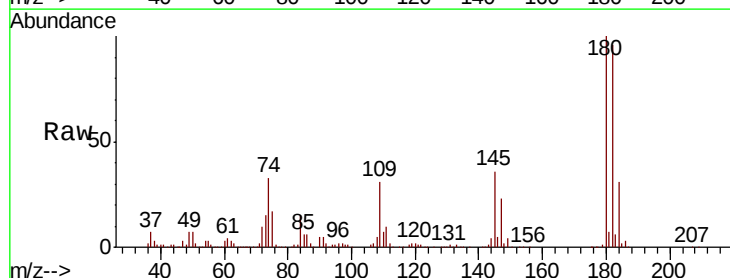
Tgt Ion:180 Resp: 217120

Ion Ratio Lower Upper

180 100

182 96.8 77.4 116.2

145 36.3 29.0 43.6



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

