

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032720\
 Data File : VV015214.D
 Acq On : 27 Mar 2020 19:36
 Operator : SY/MD
 Sample : VSTD05065
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 28 00:30:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032720WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 28 00:27:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	619413	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	616268	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	289644	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	128312	40.30	ug/L	0.00
7) Chloroethane-d5	1.58	69	138257	42.68	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	316028	42.86	ug/L	0.00
21) 2-Butanone-d5	3.94	46	333807	101.17	ug/L	0.00
24) Chloroform-d	4.38	84	346640	48.12	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	228881	47.91	ug/L	0.00
32) Benzene-d6	5.08	84	566430	45.48	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	207736	46.03	ug/L	0.00
41) Toluene-d8	7.34	98	502951	44.85	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	112532	46.09	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	257442	96.70	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	376464	48.70	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	253163	47.28	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	237882	44.358	ug/L	100
3) Chloromethane	1.25	50	260940	44.723	ug/L	100
5) Vinyl chloride	1.32	62	271850	45.315	ug/L	100
6) Bromomethane	1.53	94	175179	45.199	ug/L	100
8) Chloroethane	1.60	64	171542	43.937	ug/L	100
9) Trichlorofluoromethane	1.77	101	439651	45.134	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	232287	45.976	ug/L	100
12) 1,1-Dichloroethene	2.13	96	224893	45.414	ug/L	100
13) Acetone	2.22	43	174786	76.883	ug/L #	100
14) Carbon disulfide	2.31	76	555278	44.108	ug/L	100
15) Methyl Acetate	2.46	43	206569	44.279	ug/L	100
16) Methylene chloride	2.52	84	215793	46.631	ug/L	100
17) trans-1,2-Dichloroethene	2.78	96	194510	45.329	ug/L	100
18) Methyl tert-butyl Ether	2.79	73	670994	46.288	ug/L	100
19) 1,1-Dichloroethane	3.21	63	359179	45.359	ug/L	100
20) cis-1,2-Dichloroethene	3.94	96	225638	46.762	ug/L	100
22) 2-Butanone	4.02	43	293740	83.077	ug/L	100
23) Bromochloromethane	4.28	128	106365	45.872	ug/L	100
25) Chloroform	4.41	83	383337	46.796	ug/L	100
27) 1,2-Dichloroethane	5.16	62	305100	46.917	ug/L	100
29) Cyclohexane	4.70	56	339779	45.579	ug/L	100
30) 1,1,1-Trichloroethane	4.64	97	357419	46.215	ug/L	100
31) Carbon tetrachloride	4.86	117	301147	46.267	ug/L	100
33) Benzene	5.13	78	841803	46.236	ug/L	100
34) Trichloroethene	5.94	95	219475	46.322	ug/L	100
35) Methylcyclohexane	6.15	83	356101	45.500	ug/L	100
37) 1,2-Dichloropropane	6.20	63	212447	45.726	ug/L	100
38) Bromodichloromethane	6.53	83	301893	45.729	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	348345	45.257	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	623555	89.607	ug/L	100

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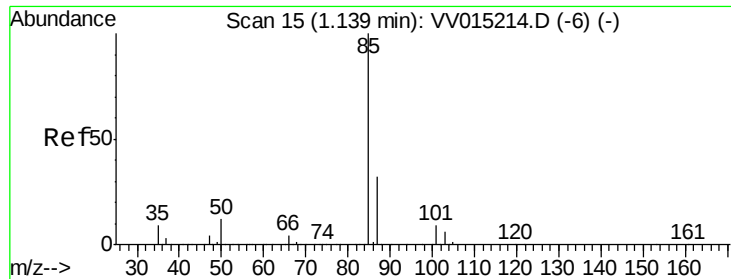
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 28 00:30:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032720WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 28 00:27:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.41	91	940883	46.388	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	346179	45.843	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	214446	46.870	ug/L	100
46) Tetrachloroethene	8.00	164	149497	47.056	ug/L	100
48) 2-Hexanone	8.16	43	479634	87.614	ug/L	100
49) Dibromochloromethane	8.27	129	234227	46.634	ug/L	100
50) 1,2-Dibromoethane	8.37	107	232793	46.979	ug/L	100
51) Chlorobenzene	8.90	112	603571	46.555	ug/L	100
52) Ethylbenzene	9.04	91	1072016	46.895	ug/L	100
53) m,p-Xylene	9.16	106	411610	47.254	ug/L	100
54) o-xylene	9.57	106	408420	46.610	ug/L	100
55) Styrene	9.58	104	695329	46.977	ug/L	100
56) Isopropylbenzene	9.95	105	1070466	47.601	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	351690	45.870	ug/L	100
59) 1,2,3-Trichloropropane	10.30	75	282976	45.997	ug/L	100
61) Bromoform	9.76	173	152187	46.077	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	441491	45.982	ug/L	100
63) 1,4-Dichlorobenzene	11.30	146	443901	45.706	ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	443229	45.558	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	93656	43.528	ug/L	100
67) 1,3,5-Trichlorobenzene	12.67	180	281964	45.889	ug/L	100
68) 1,2,4-trichlorobenzene	13.29	180	263886	45.135	ug/L	100
69) Naphthalene	13.53	128	1054476	45.154	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	269023	46.021	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 44.358 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV015214.D

Acq: 27 Mar 2020 19:36

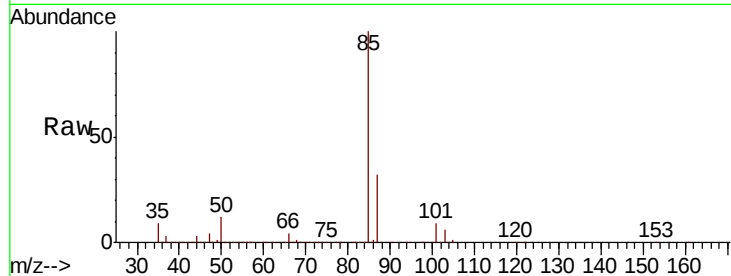
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 237882

Ion Ratio Lower Upper

85 100

87 32.3 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VV015214.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV015214.D (-6) (-)

1.14

250000

200000

150000

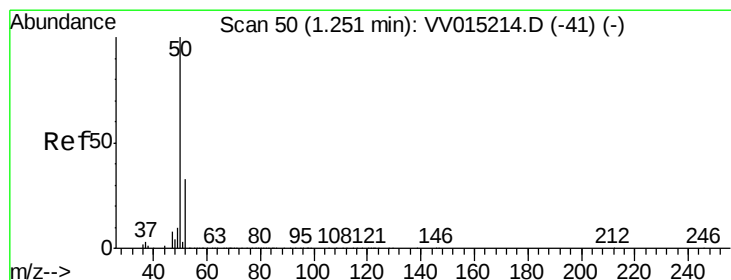
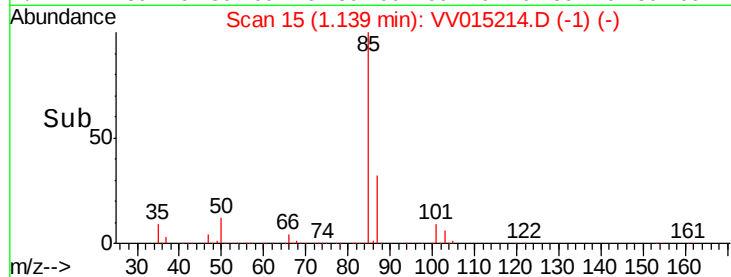
100000

50000

0

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 44.723 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV015214.D

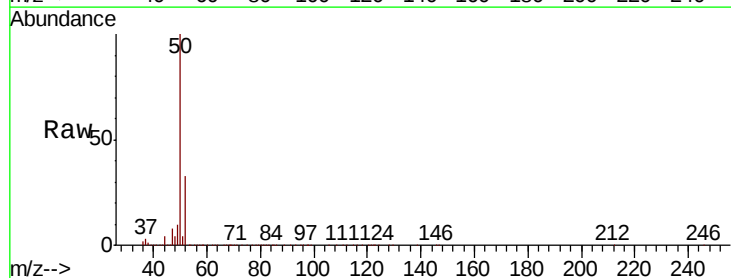
Acq: 27 Mar 2020 19:36

Tgt Ion: 50 Resp: 260940

Ion Ratio Lower Upper

50 100

52 32.7 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VV015214.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VV015214.D (-41) (-)

1.25

250000

200000

150000

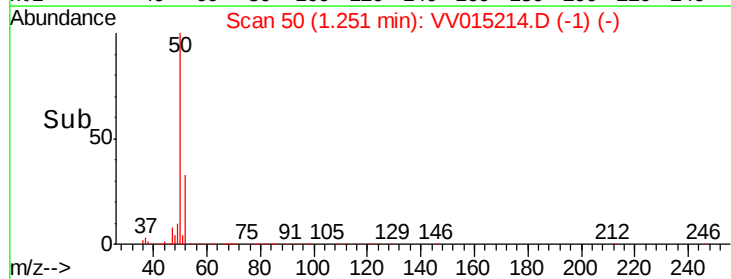
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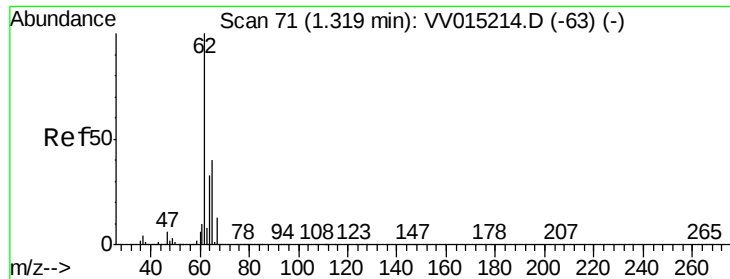
50000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 45.315 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015214.D

Acq: 27 Mar 2020 19:36

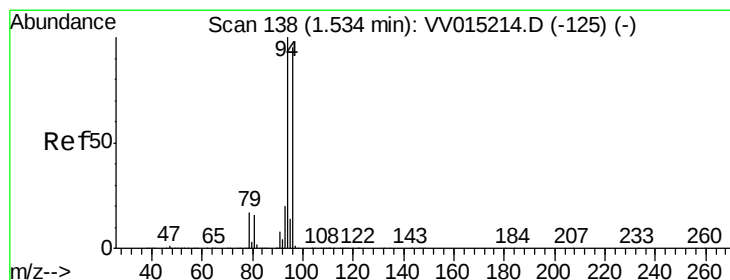
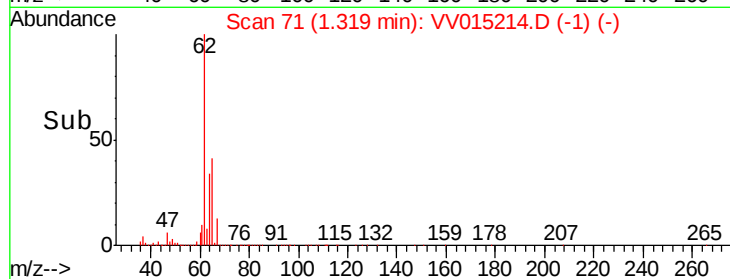
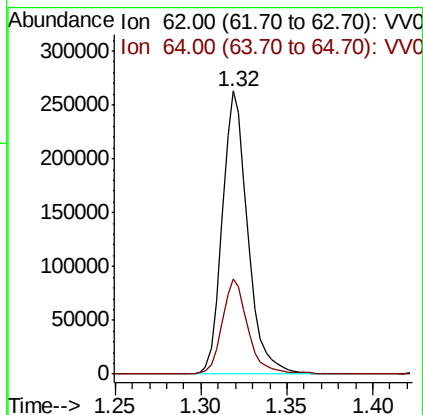
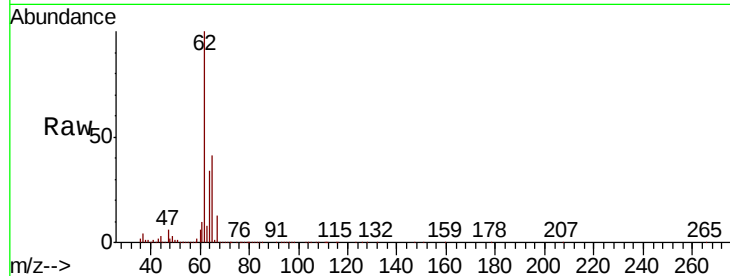
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 271850

Ion Ratio Lower Upper

62 100

64 33.6 23.5 43.7



#6

Bromomethane

Concen: 45.199 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV015214.D

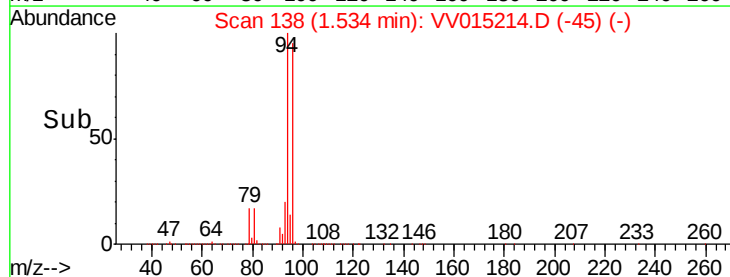
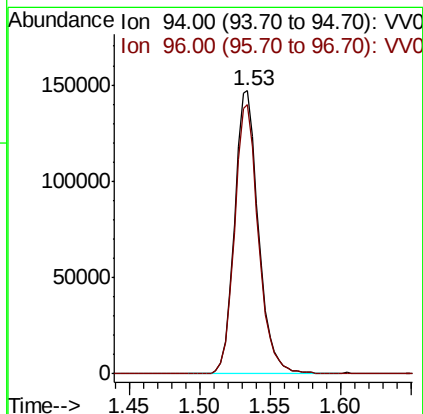
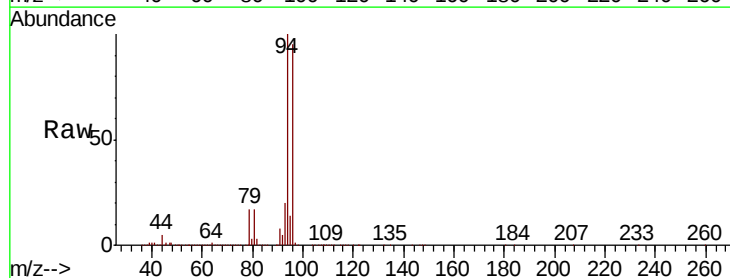
Acq: 27 Mar 2020 19:36

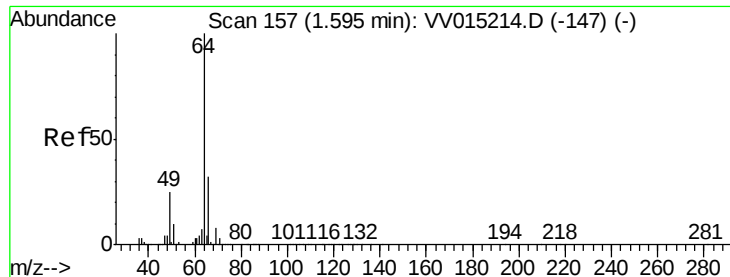
Tgt Ion: 94 Resp: 175179

Ion Ratio Lower Upper

94 100

96 95.1 66.6 123.6

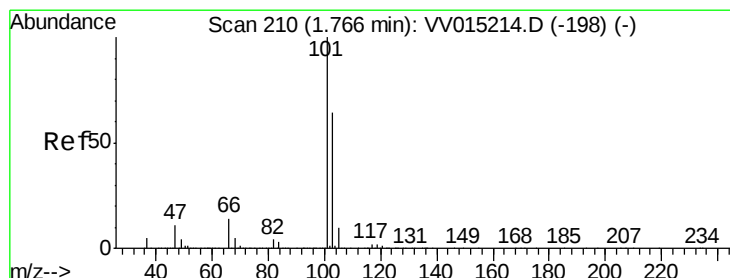
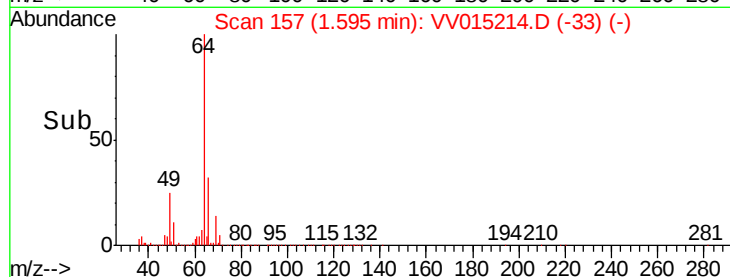
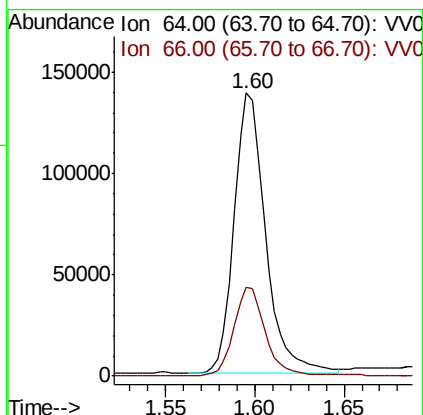
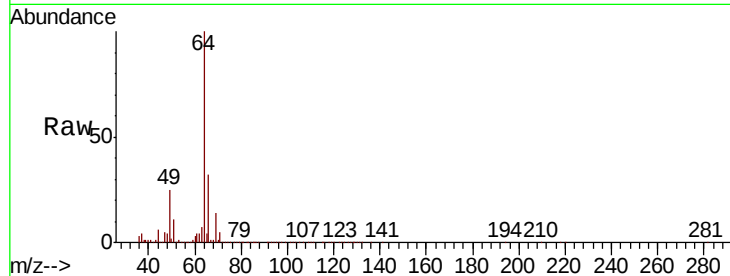




#8
Chloroethane
Concen: 43.937 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV015214.D
Acq: 27 Mar 2020 19:36

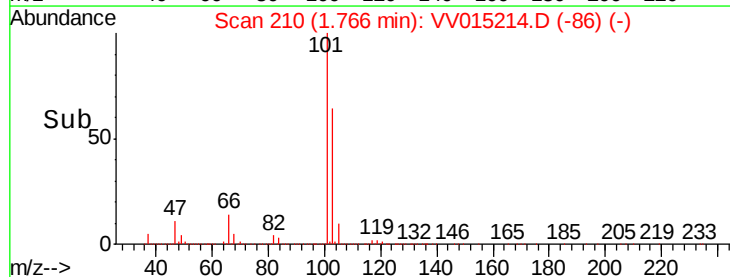
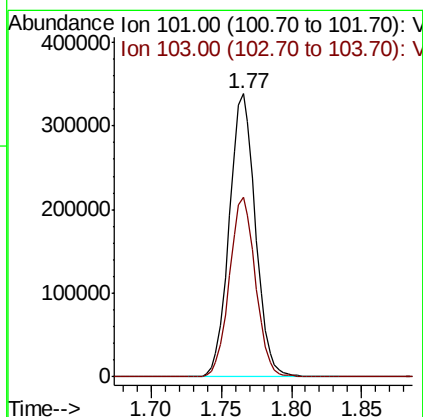
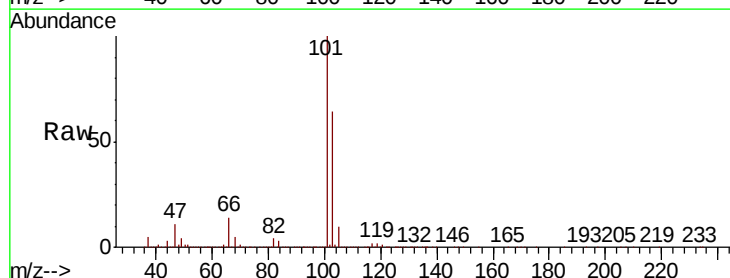
Instrument :
MSVOA_V
ClientSampleId :

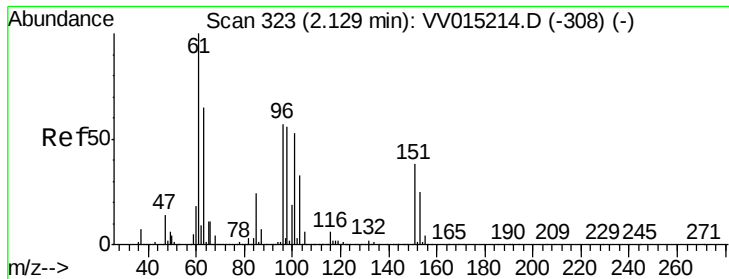
Tot Ion: 64 Resp: 171542
Ion Ratio Lower Upper
64 100
66 31.6 22.1 41.1



#9
Trichlorofluoromethane
Concen: 45.134 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV015214.D
Acq: 27 Mar 2020 19:36

Tgt Ion: 101 Resp: 439651
Ion Ratio Lower Upper
101 100
103 63.5 50.8 76.2





#10

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

Concen: 45.976 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015214.D

Acq: 27 Mar 2020 19:36

Instrument :

MSVOA_V

ClientSampleId :

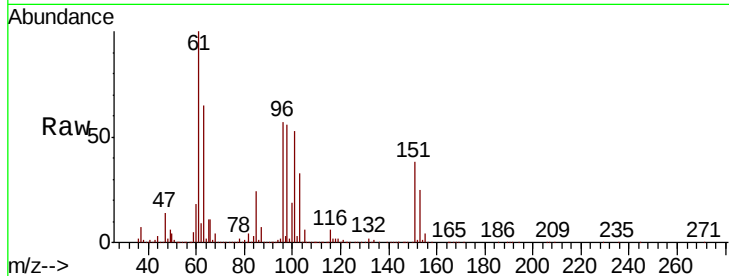
Tot Ion:101 Resp: 232287

Ion Ratio Lower Upper

101 100

85 45.4 36.3 54.5

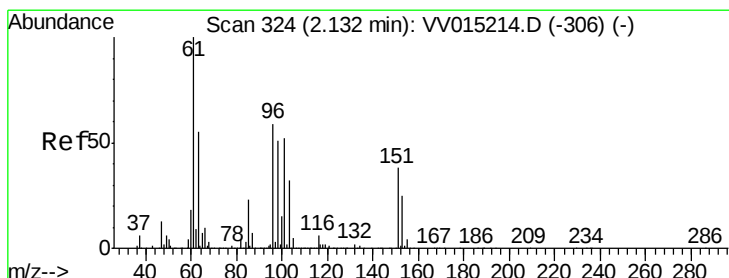
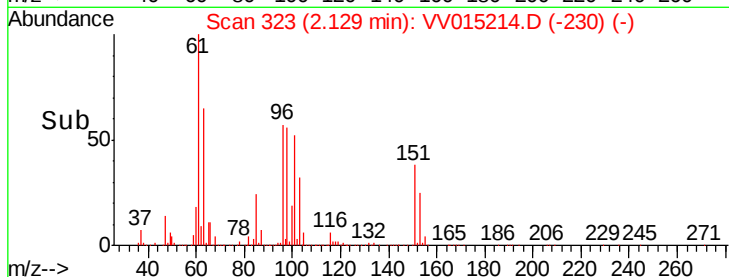
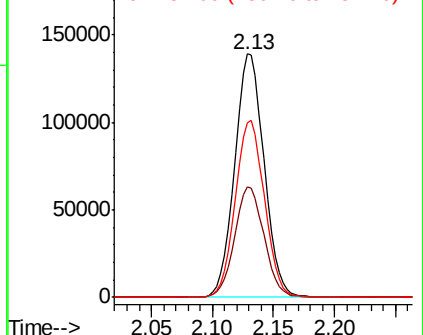
151 72.2 57.8 86.6



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: 45.414 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015214.D

Acq: 27 Mar 2020 19:36

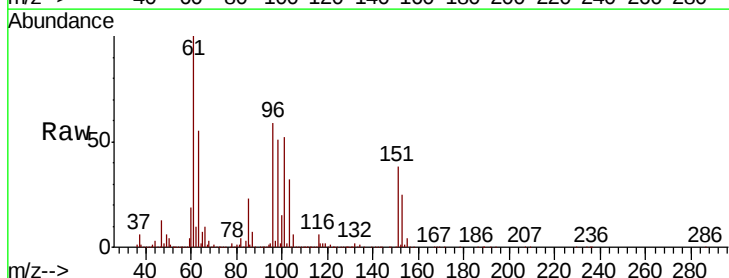
Tgt Ion: 96 Resp: 224893

Ion Ratio Lower Upper

96 100

61 170.2 119.1 221.3

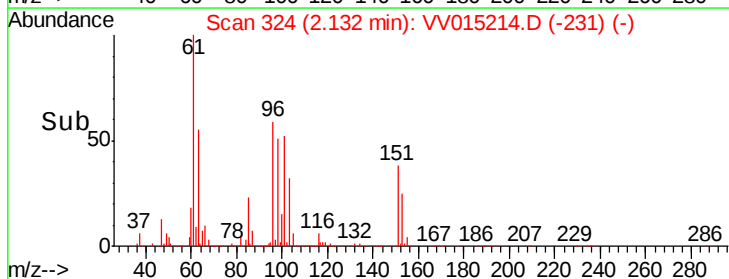
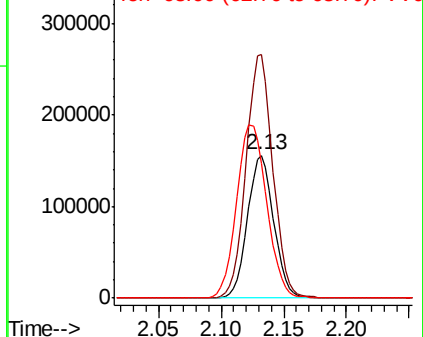
63 94.3 66.0 122.6

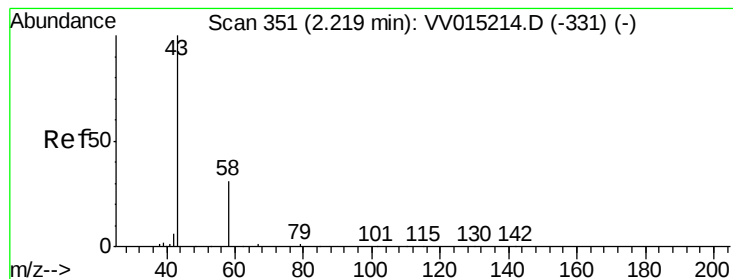


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 76.883 ug/L

RT: 2.22 min Scan# 351

Delta R.T. 0.00 min

Lab File: VV015214.D

Acq: 27 Mar 2020 19:36

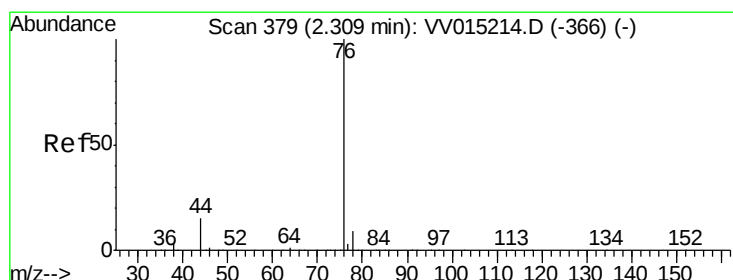
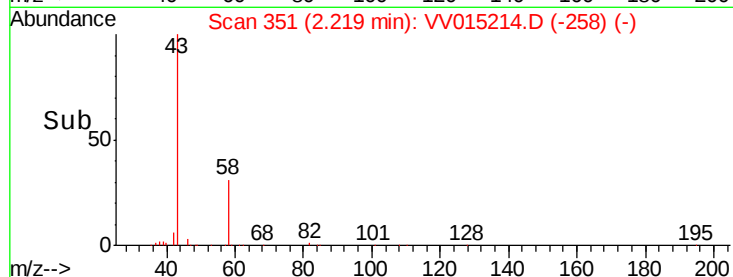
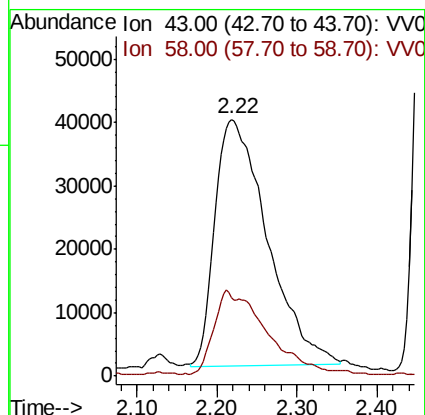
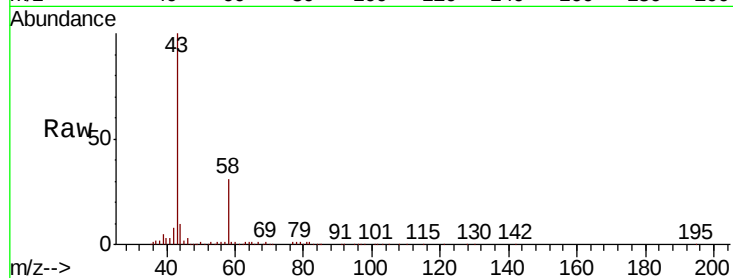
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 174786

Ion Ratio Lower Upper

43 100

58 12.9 0.0 0.0#



#14

Carbon disulfide

Concen: 44.108 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV015214.D

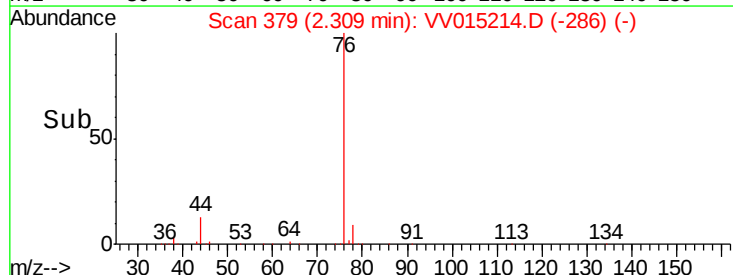
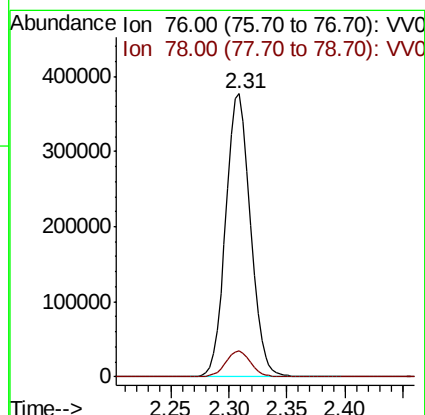
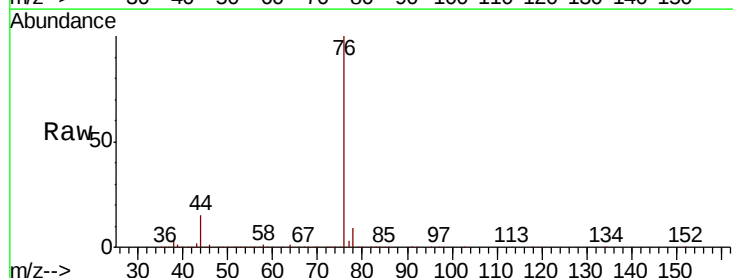
Acq: 27 Mar 2020 19:36

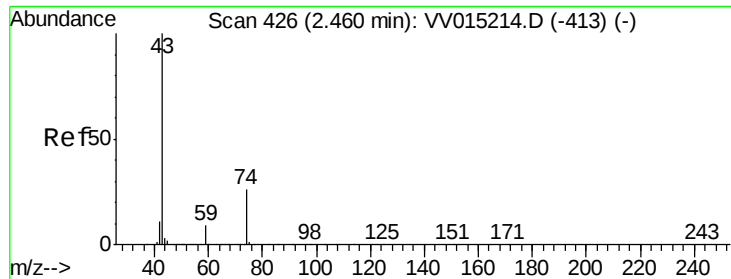
Tgt Ion: 76 Resp: 555278

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

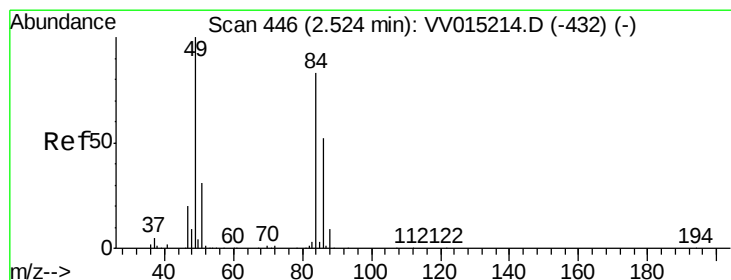
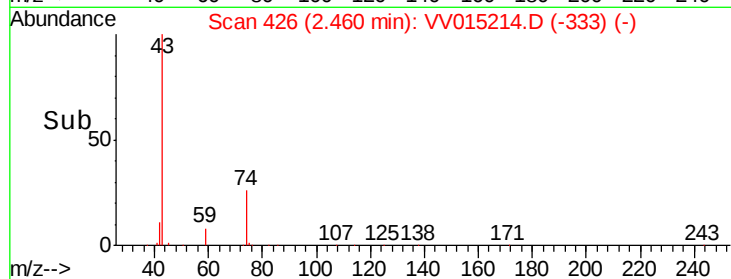
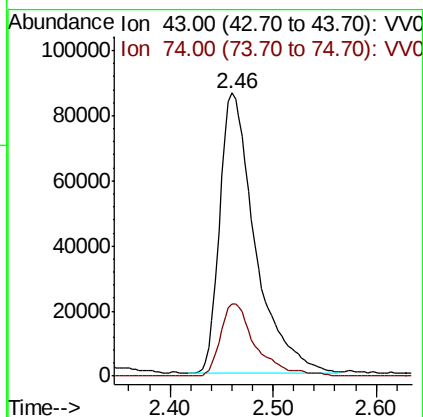
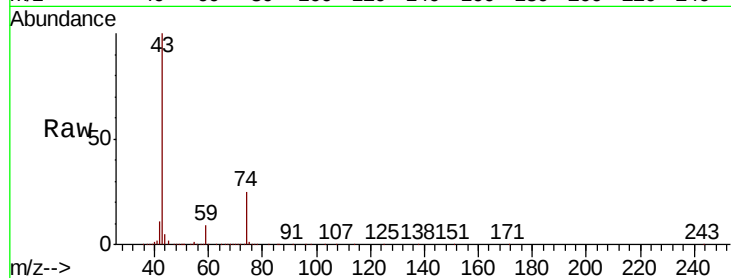




#15
Methvl Acetate
Concen: 44.279 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV015214.D
Acq: 27 Mar 2020 19:36

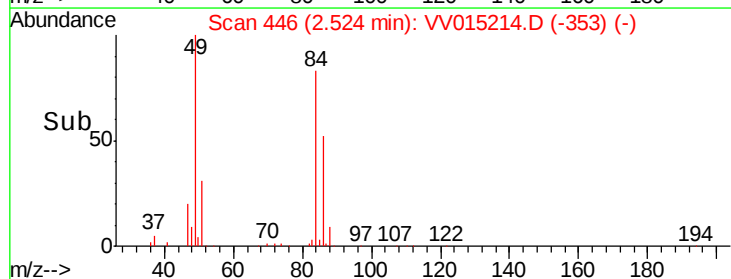
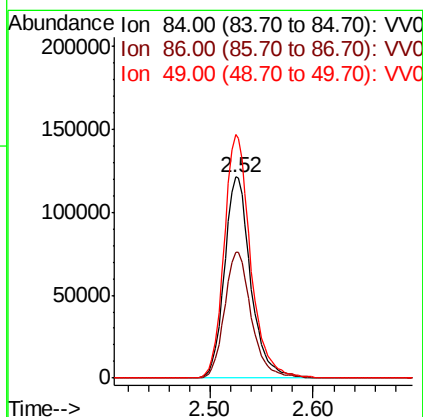
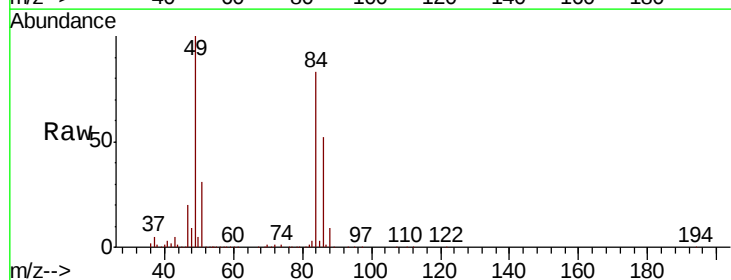
Instrument :
MSVOA_V
ClientSampleId :

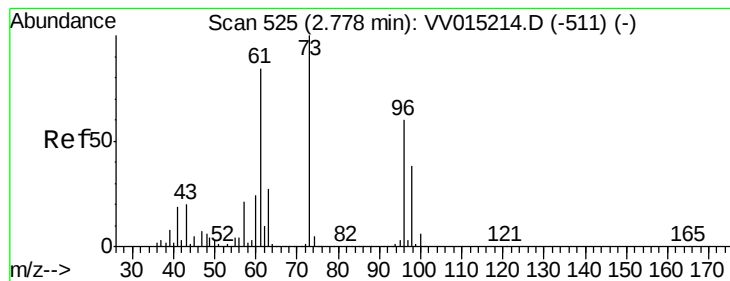
Tot Ion: 43 Resp: 206569
Ion Ratio Lower Upper
43 100
74 24.6 19.7 29.5



#16
Methylene chloride
Concen: 46.631 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV015214.D
Acq: 27 Mar 2020 19:36

Tgt Ion: 84 Resp: 215793
Ion Ratio Lower Upper
84 100
86 62.6 43.8 81.4
49 121.1 84.8 157.4





#17

trans-1,2-Dichloroethene

Concen: 45.329 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV015214.D

Acq: 27 Mar 2020 19:36

Instrument :
MSVOA_V
ClientSampleId :

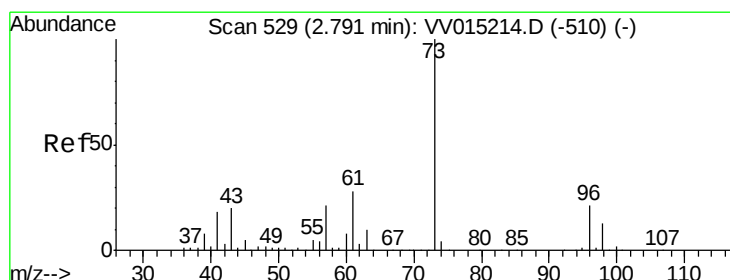
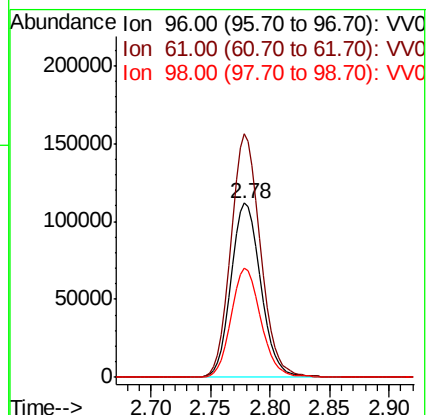
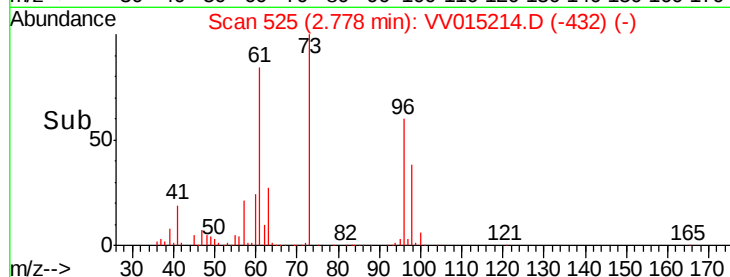
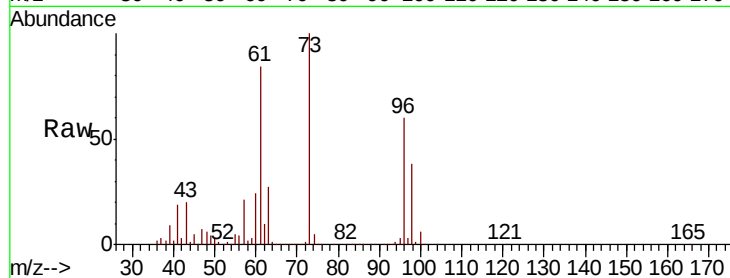
Tot Ion: 96 Resp: 194510

Ion Ratio Lower Upper

96 100

61 139.8 97.9 181.7

98 62.6 43.8 81.4



#18

Methyl tert-butyl Ether

Concen: 46.288 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV015214.D

Acq: 27 Mar 2020 19:36

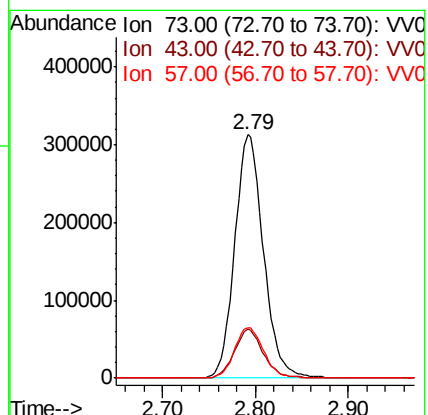
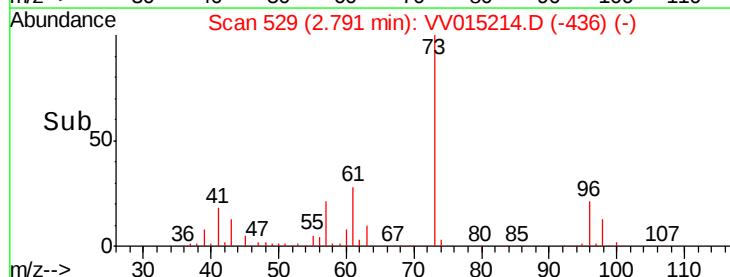
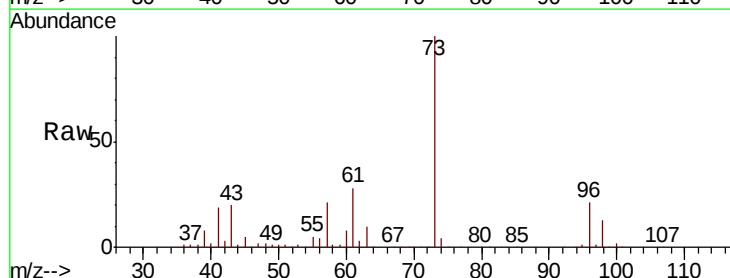
Tgt Ion: 73 Resp: 670994

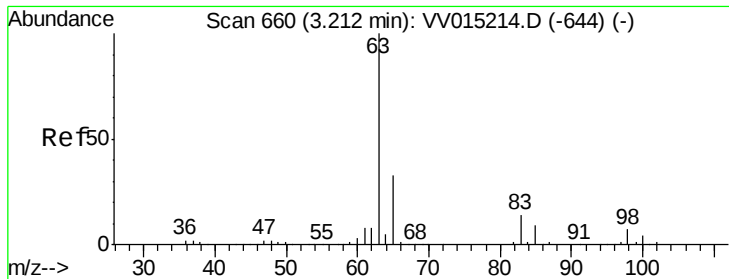
Ion Ratio Lower Upper

73 100

43 19.4 15.5 23.3

57 20.9 16.7 25.1





#19

1,1-Dichloroethane

Concen: 45.359 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV015214.D

Acq: 27 Mar 2020 19:36

Instrument :

MSVOA_V

ClientSampleId :

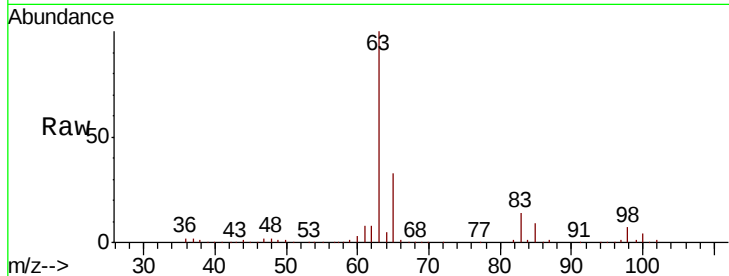
Tot Ion: 63 Resp: 359179

Ion Ratio Lower Upper

63 100

65 32.6 22.8 42.4

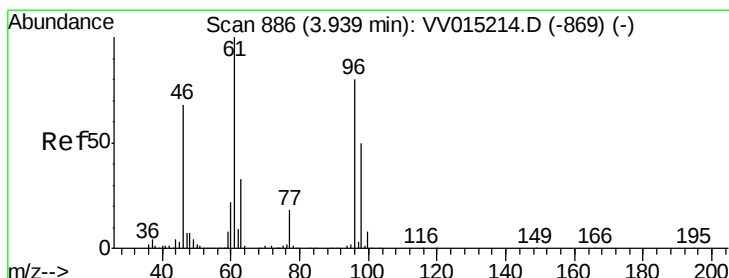
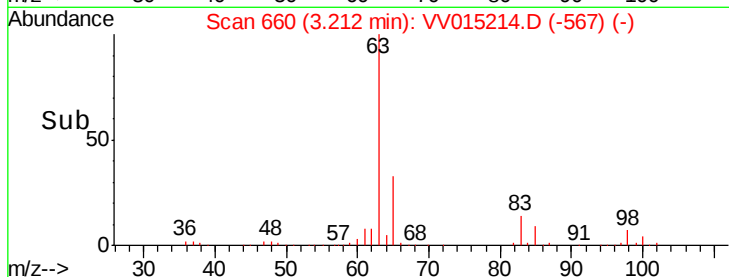
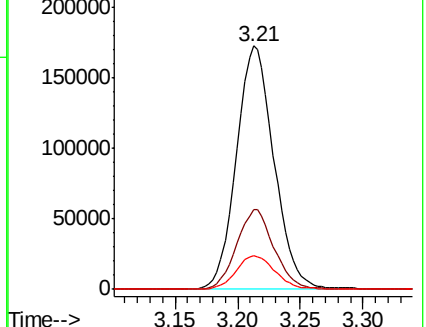
83 13.8 9.7 17.9



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 46.762 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV015214.D

Acq: 27 Mar 2020 19:36

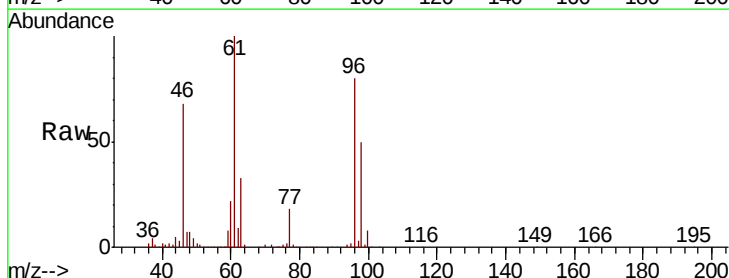
Tgt Ion: 96 Resp: 225638

Ion Ratio Lower Upper

96 100

61 124.6 87.2 162.0

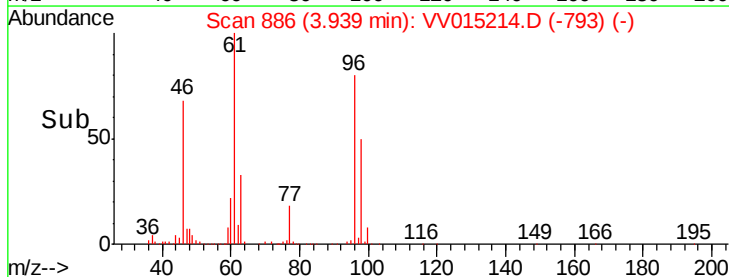
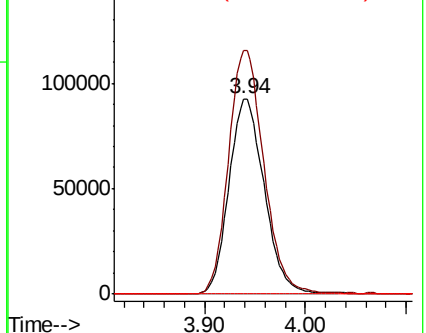
68 0.2 0.1 0.3

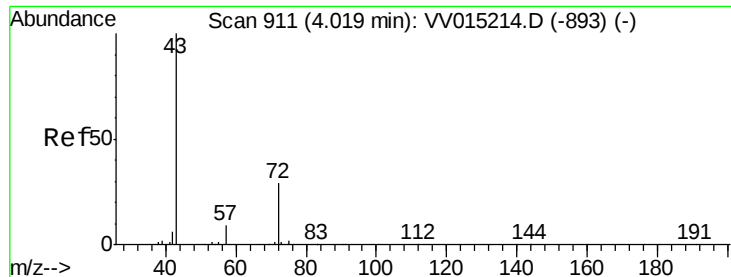


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0

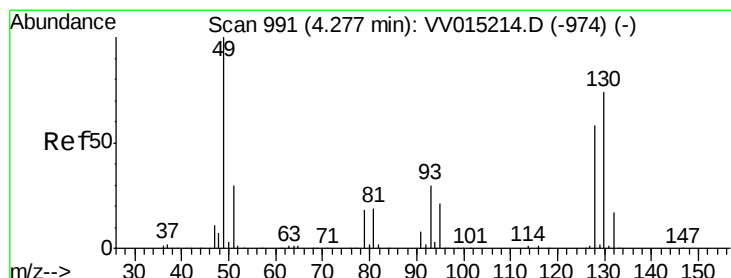
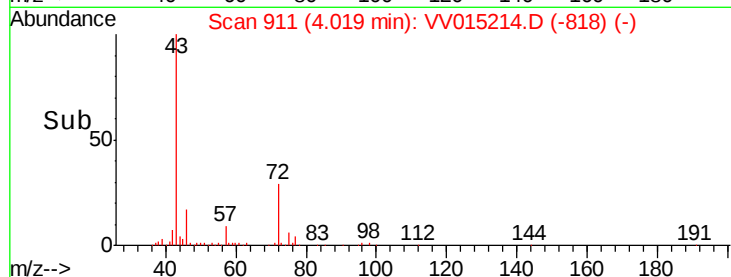
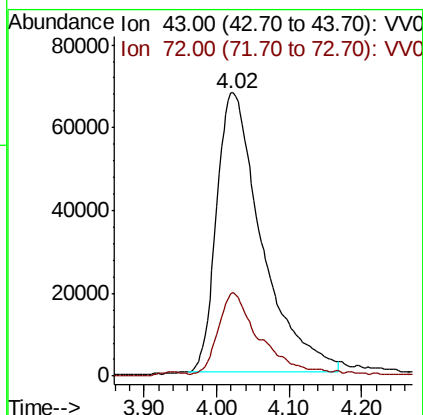
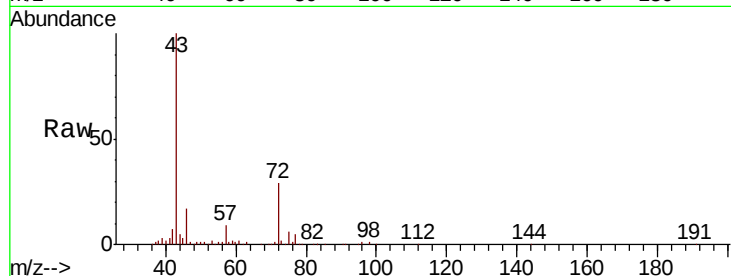




#22
2-Butanone
Concen: 83.077 ug/L
RT: 4.02 min Scan# 911
Delta R.T. 0.00 min
Lab File: VV015214.D
Acq: 27 Mar 2020 19:36

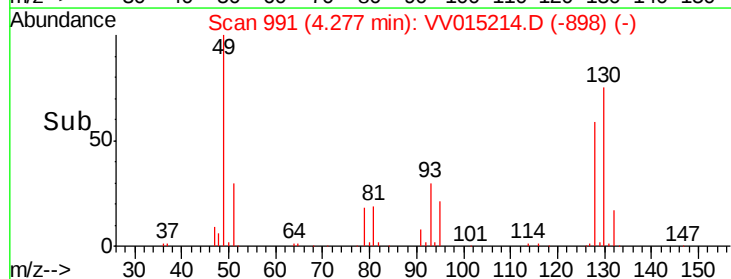
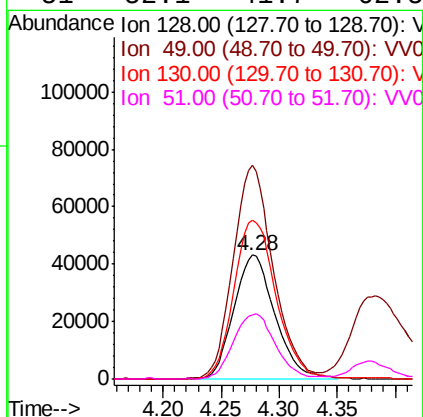
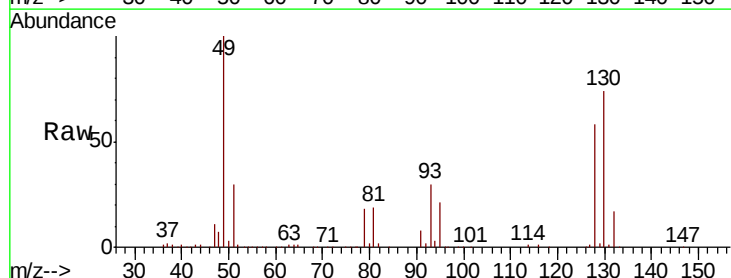
Instrument :
MSVOA_V
ClientSampleId :

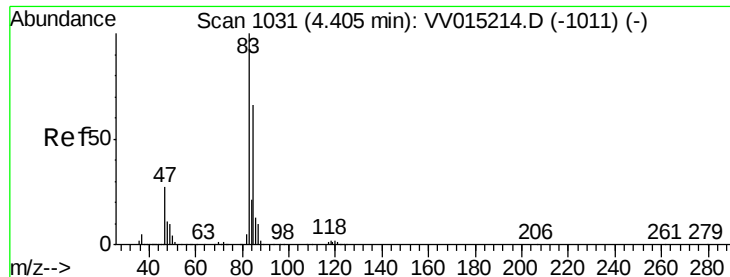
Tot Ion: 43 Resp: 293740
Ion Ratio Lower Upper
43 100
72 19.7 9.8 29.5



#23
Bromochloromethane
Concen: 45.872 ug/L
RT: 4.28 min Scan# 991
Delta R.T. 0.00 min
Lab File: VV015214.D
Acq: 27 Mar 2020 19:36

Tgt Ion: 128 Resp: 106365
Ion Ratio Lower Upper
128 100
49 172.3 120.6 224.0
130 128.1 89.7 166.5
51 52.1 41.7 62.5





#25

Chloroform

Concen: 46.796 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VV015214.D

Acq: 27 Mar 2020 19:36

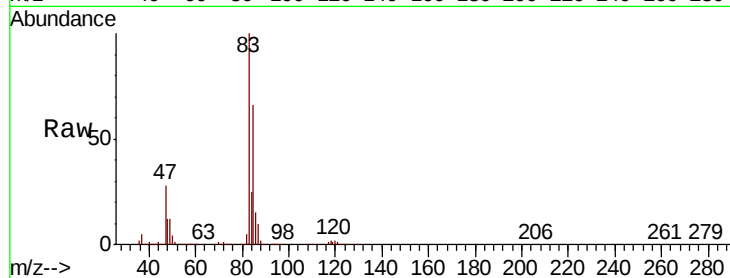
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 383337

Ion Ratio Lower Upper

83 100

85 66.0 46.2 85.8



Abundance Ion 83.00 (82.70 to 83.70): VV015214.D (-1011) (-)

Ion 85.00 (84.70 to 85.70): VV015214.D (-1011) (-)

4.41

150000

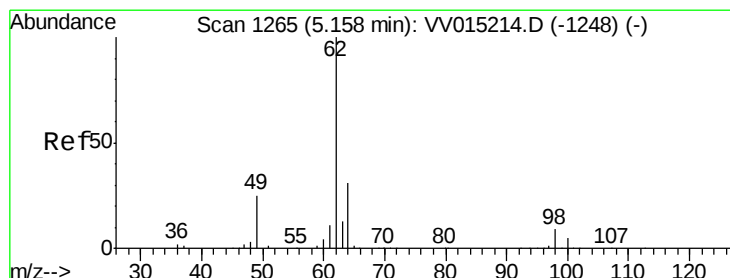
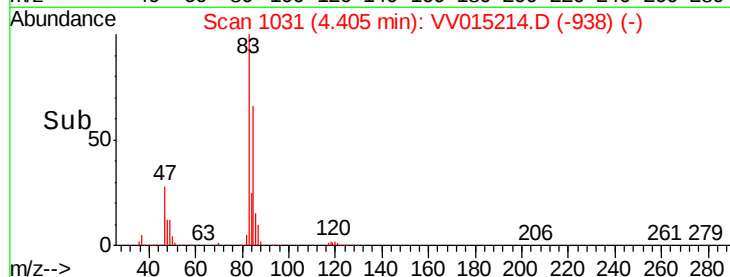
100000

50000

0

4.30 4.40 4.50

Time-->



#27

1,2-Dichloroethane

Concen: 46.917 ug/L

RT: 5.16 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VV015214.D

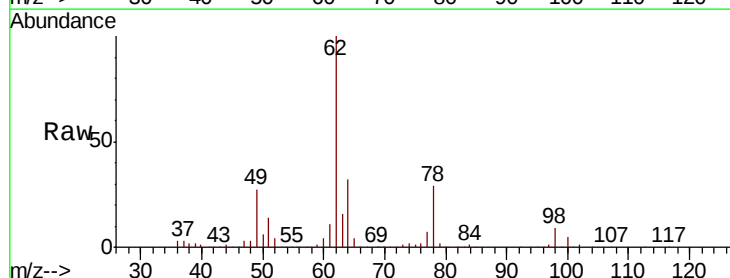
Acq: 27 Mar 2020 19:36

Tgt Ion: 62 Resp: 305100

Ion Ratio Lower Upper

62 100

98 9.2 7.4 11.0



Abundance Ion 62.00 (61.70 to 62.70): VV015214.D (-1248) (-)

Ion 98.00 (97.70 to 98.70): VV015214.D (-1248) (-)

5.16

150000

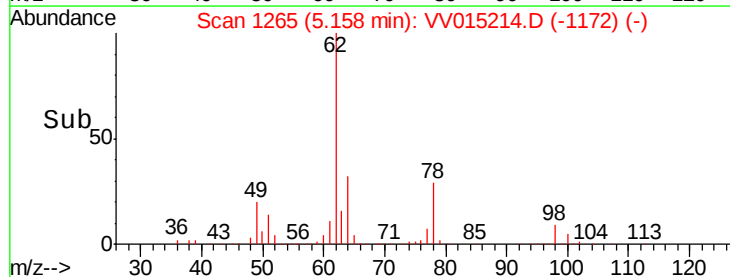
100000

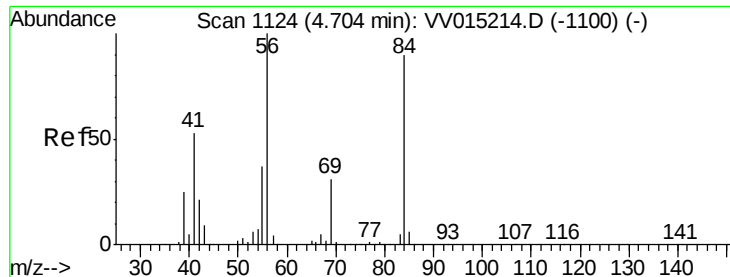
50000

0

5.10 5.20 5.30

Time-->

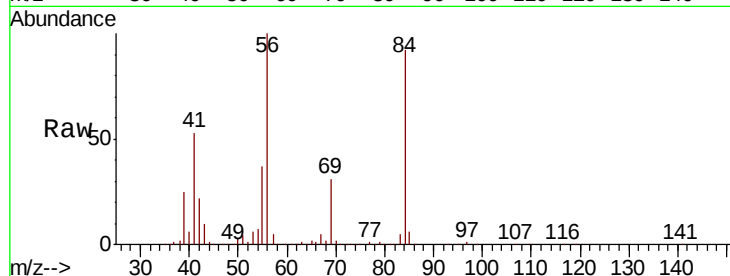




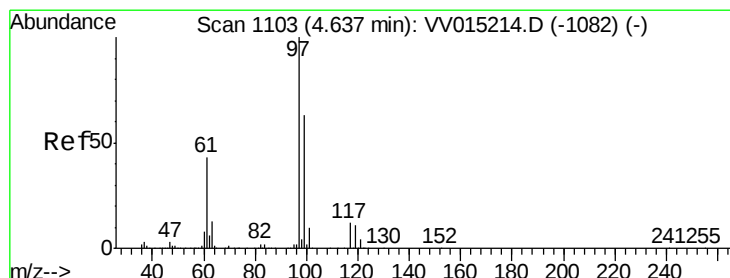
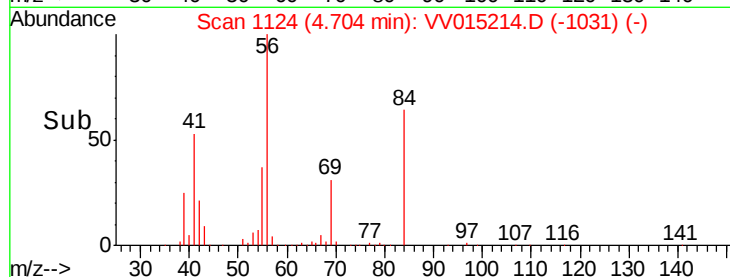
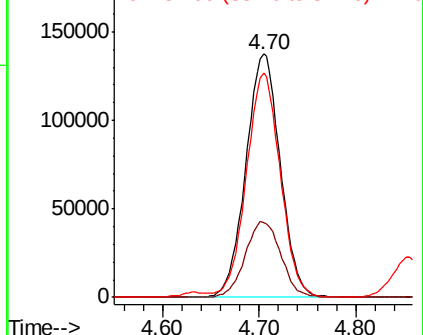
#29
Cyclohexane
Concen: 45.579 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VV015214.D
Acq: 27 Mar 2020 19:36

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 56 Resp: 339779
Ion Ratio Lower Upper
56 100
69 32.2 25.8 38.6
84 90.6 72.5 108.7

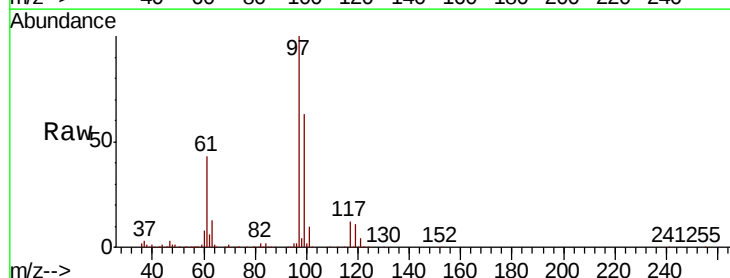


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

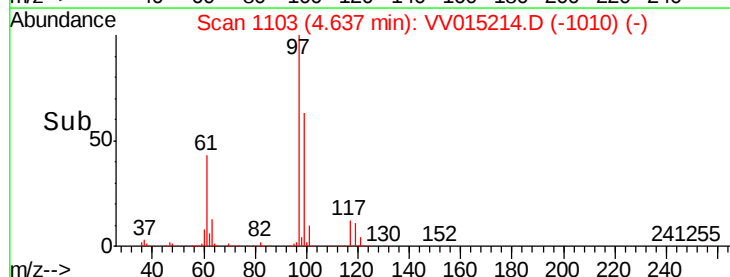
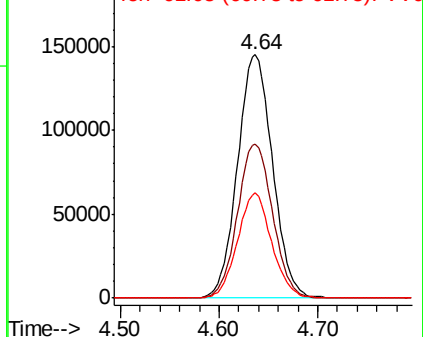


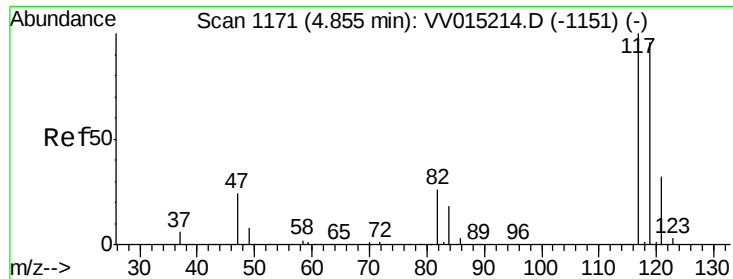
#30
1,1,1-Trichloroethane
Concen: 46.215 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV015214.D
Acq: 27 Mar 2020 19:36

Tgt Ion: 97 Resp: 357419
Ion Ratio Lower Upper
97 100
99 63.2 50.6 75.8
61 41.8 33.4 50.2



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

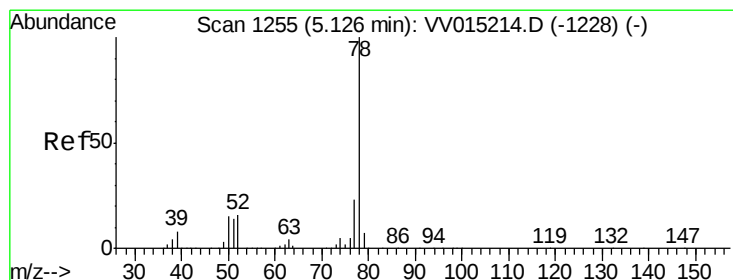
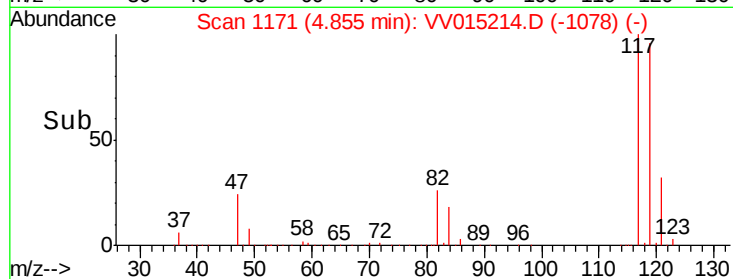
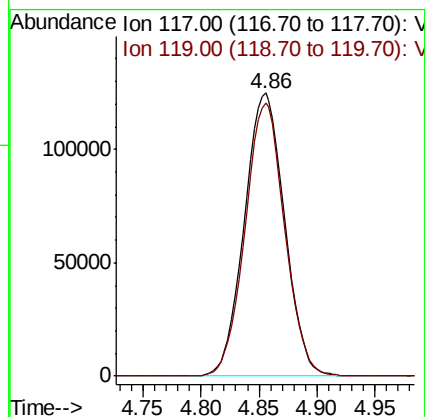
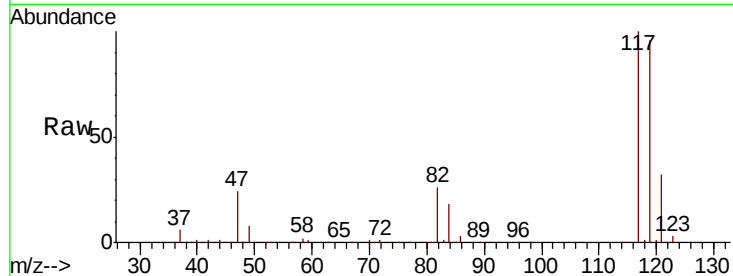




#31
Carbon tetrachloride
Concen: 46.267 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VV015214.D
Acq: 27 Mar 2020 19:36

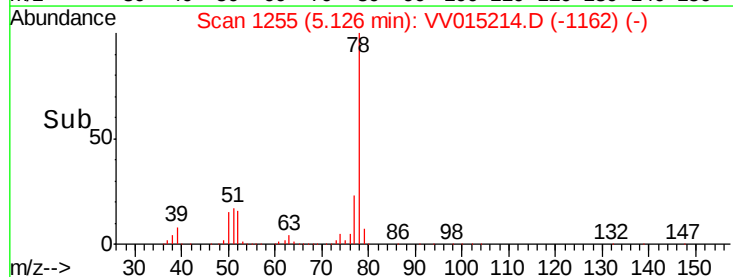
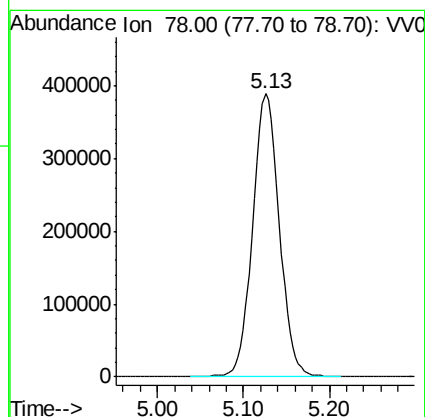
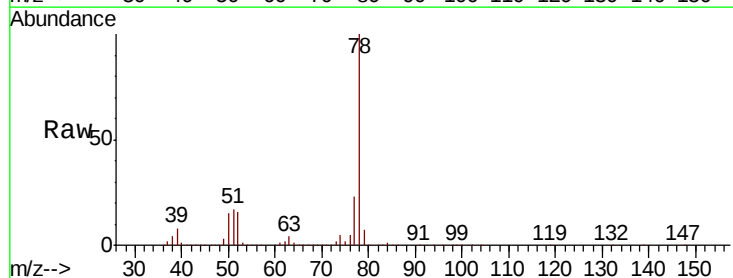
Instrument :
MSVOA_V
ClientSampleId :

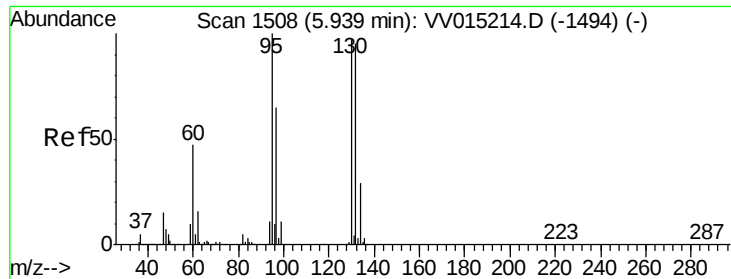
Tot Ion:117 Resp: 301147
Ion Ratio Lower Upper
117 100
119 95.0 76.0 114.0



#33
Benzene
Concen: 46.236 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV015214.D
Acq: 27 Mar 2020 19:36

Tgt Ion: 78 Resp: 841803

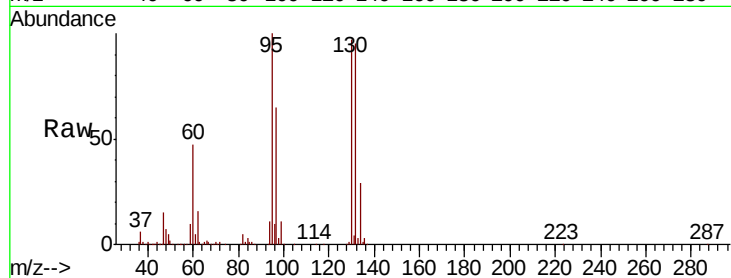




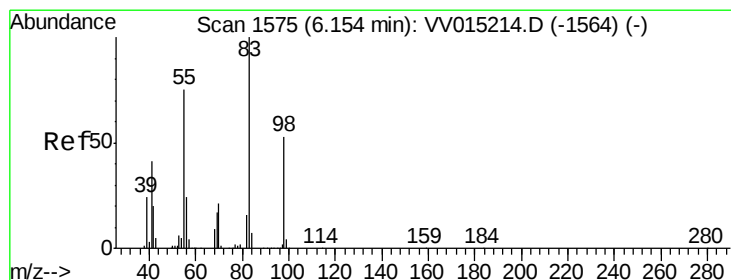
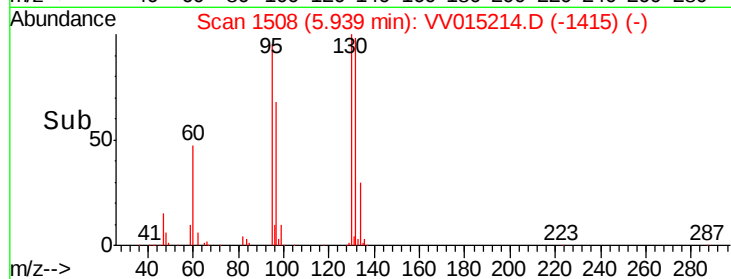
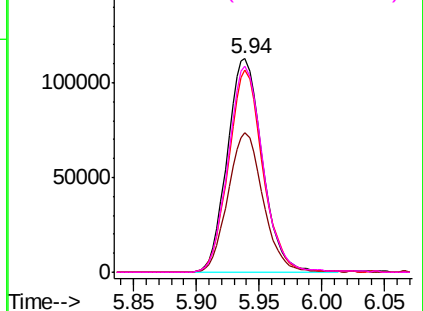
#34
 Trichloroethene
 Concen: 46.322 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV015214.D
 Acq: 27 Mar 2020 19:36

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 219475
 Ion Ratio Lower Upper
 95 100
 97 65.3 45.7 84.9
 132 94.6 66.2 123.0
 130 96.6 67.6 125.6

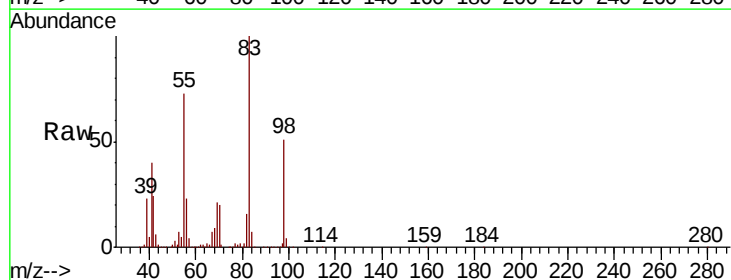


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

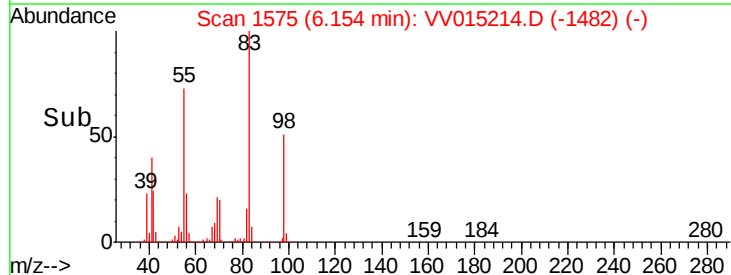
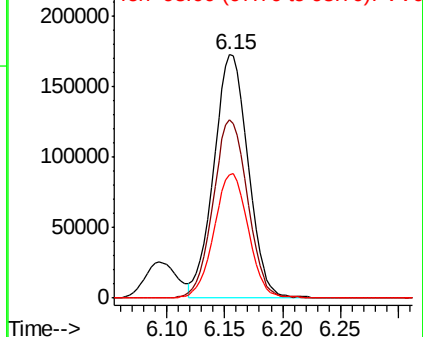


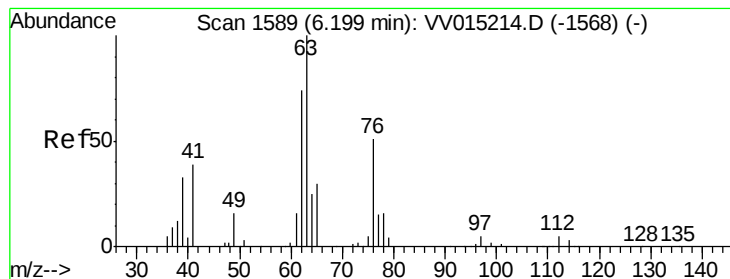
#35
 Methylcyclohexane
 Concen: 45.500 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV015214.D
 Acq: 27 Mar 2020 19:36

Tgt Ion: 83 Resp: 356101
 Ion Ratio Lower Upper
 83 100
 55 72.7 58.2 87.2
 98 51.2 41.0 61.4



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: 45.726 ug/L

RT: 6.20 min Scan# 1589

Delta R.T. 0.00 min

Lab File: VV015214.D

Acq: 27 Mar 2020 19:36

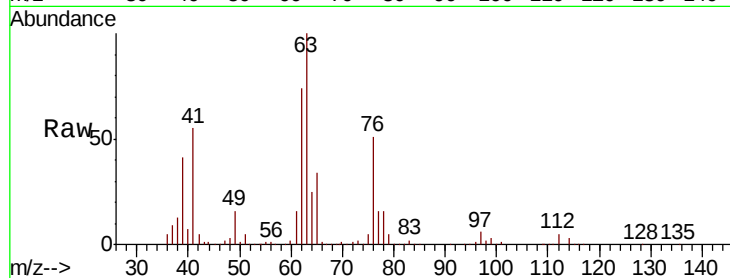
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 63 Resp: 212447

Ion Ratio Lower Upper

63 100

112 4.4 3.5 5.3



Abundance Ion 63.00 (62.70 to 63.70): VV015214.D (-1568) (-)

Ion 112.00 (111.70 to 112.70): VV015214.D (-1568) (-)

120000

100000

80000

60000

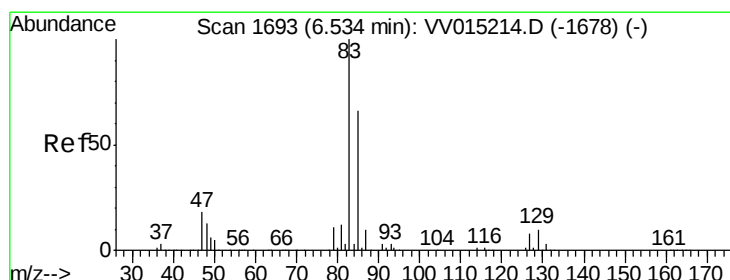
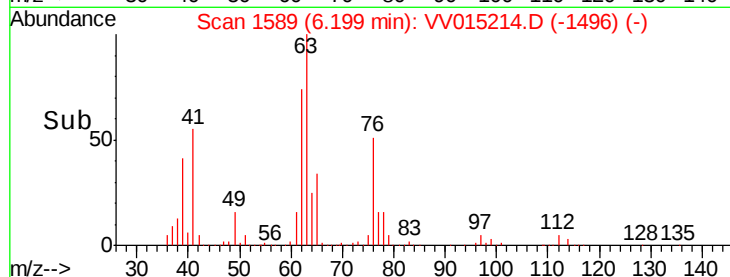
40000

20000

0

6.10 6.20 6.30

Time-->



#38

Bromodichloromethane

Concen: 45.729 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV015214.D

Acq: 27 Mar 2020 19:36

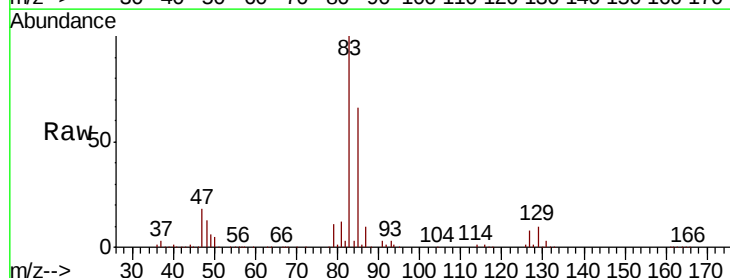
Tgt Ion: 83 Resp: 301893

Ion Ratio Lower Upper

83 100

85 66.1 46.3 85.9

127 8.1 6.5 9.7



Abundance Ion 83.00 (82.70 to 83.70): VV015214.D (-1678) (-)

Ion 85.00 (84.70 to 85.70): VV015214.D (-1678) (-)

Ion 127.00 (126.70 to 127.70): VV015214.D (-1678) (-)

200000

150000

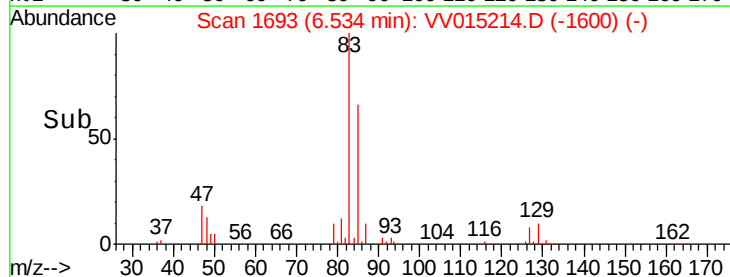
100000

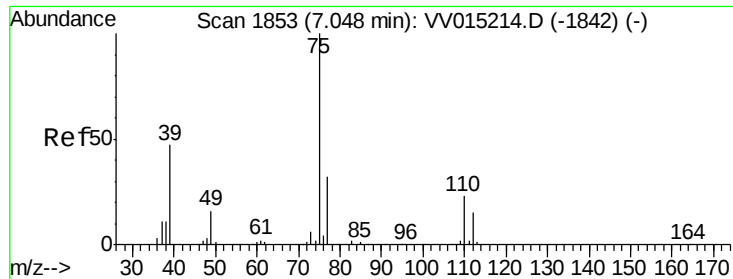
50000

0

6.45 6.50 6.55 6.60

Time-->



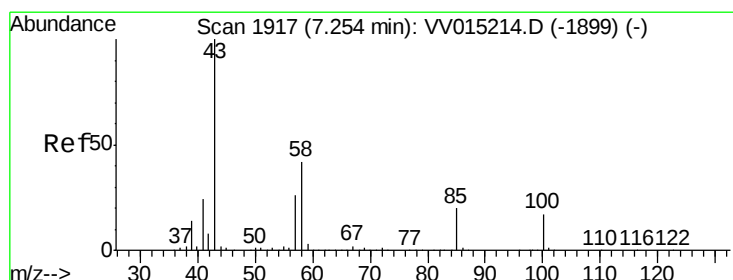
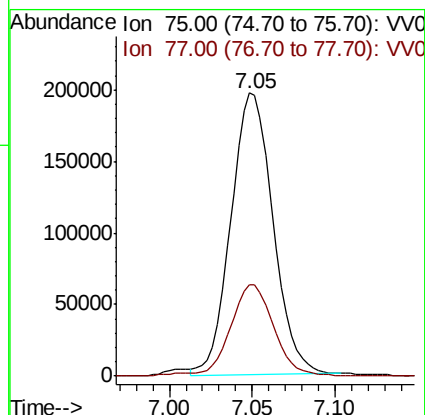
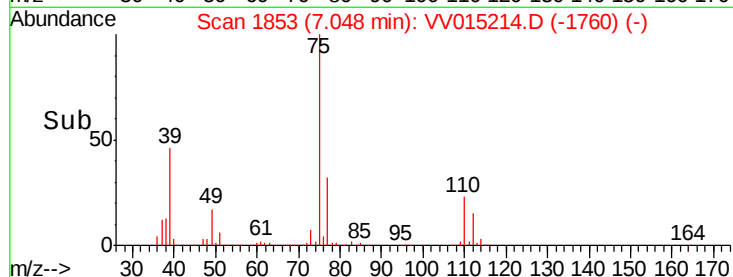
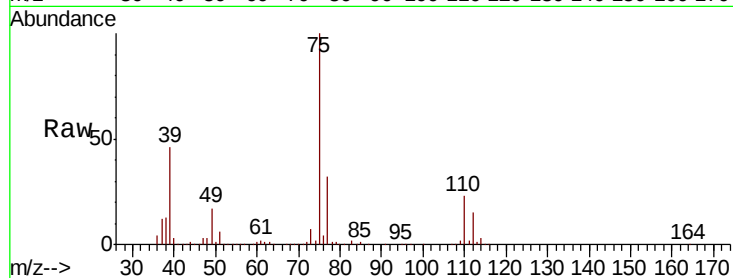


#39

cis-1,3-Dichloropropene
Concen: 45.257 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VV015214.D
Acq: 27 Mar 2020 19:36

Instrument :
MSVOA_V
ClientSampleId :

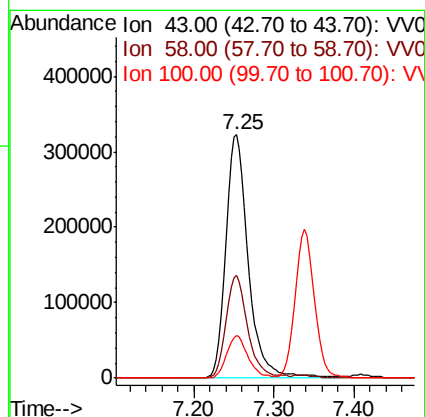
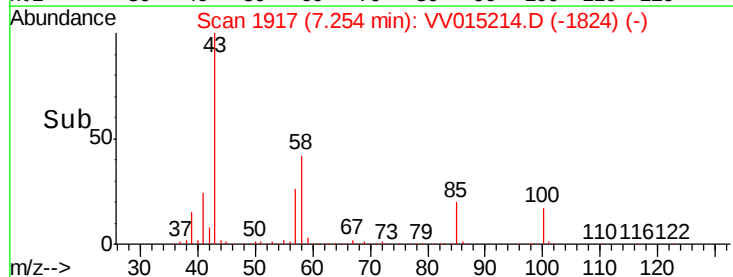
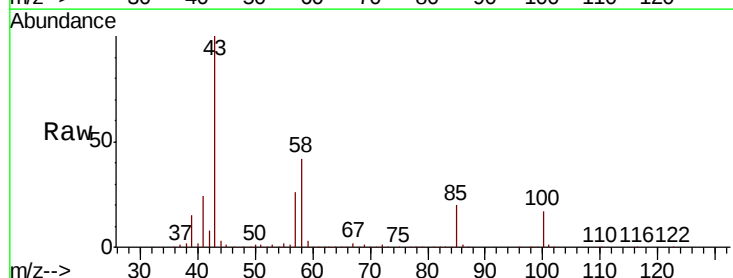
Tot Ion: 75 Resp: 348345
Ion Ratio Lower Upper
75 100
77 32.2 22.5 41.9

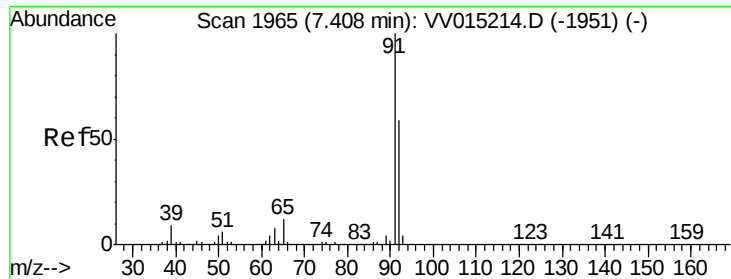


#40

4-Methyl-2-pentanone
Concen: 89.607 ug/L
RT: 7.25 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VV015214.D
Acq: 27 Mar 2020 19:36

Tgt Ion: 43 Resp: 623555
Ion Ratio Lower Upper
43 100
58 40.6 32.5 48.7
100 16.7 13.4 20.0





#42

Toluene

Concen: 46.388 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015214.D

Acq: 27 Mar 2020 19:36

Instrument :

MSVOA_V

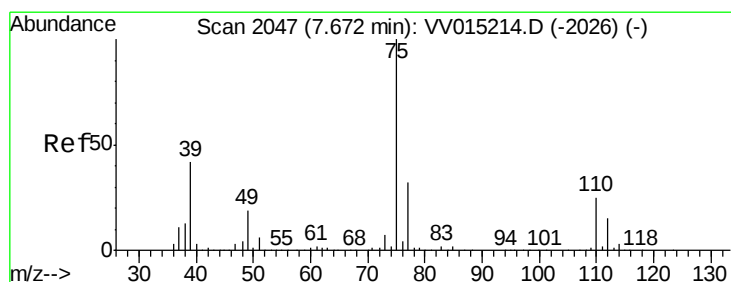
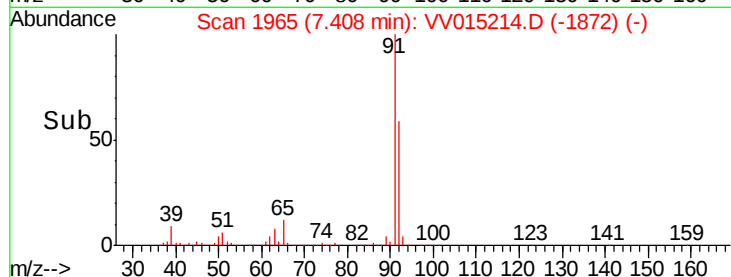
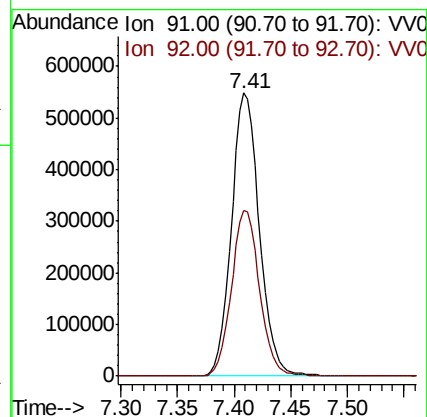
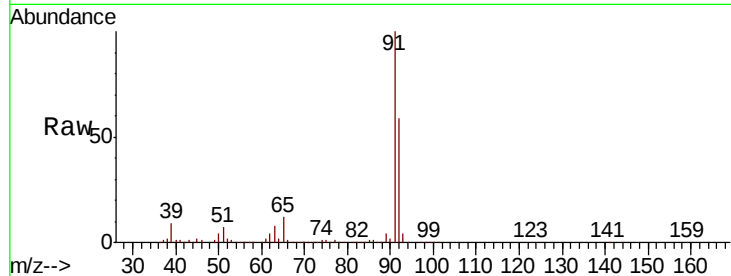
ClientSampleId :

Tot Ion: 91 Resp: 940883

Ion Ratio Lower Upper

91 100

92 58.6 41.0 76.2



#44

trans-1,3-Dichloropropene

Concen: 45.843 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015214.D

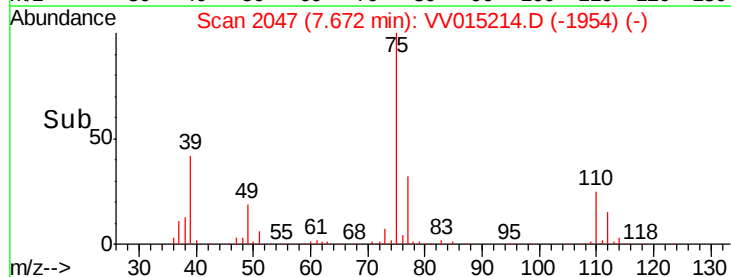
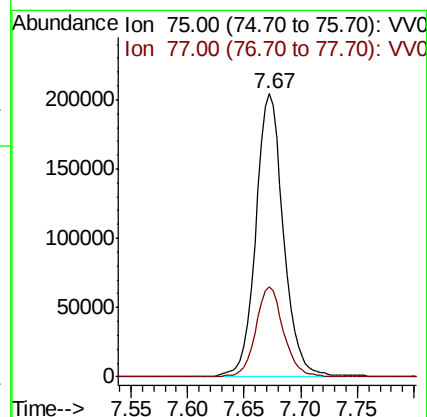
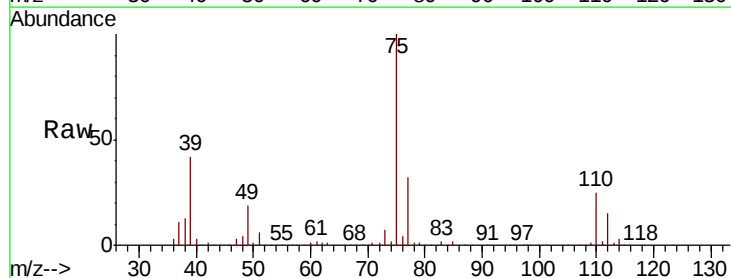
Acq: 27 Mar 2020 19:36

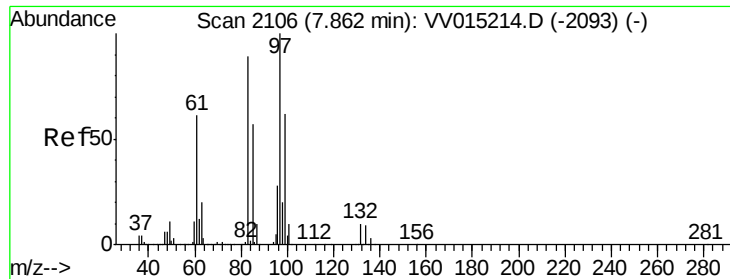
Tgt Ion: 75 Resp: 346179

Ion Ratio Lower Upper

75 100

77 31.9 22.3 41.5

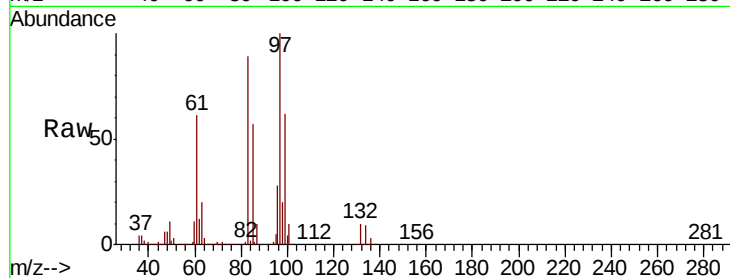




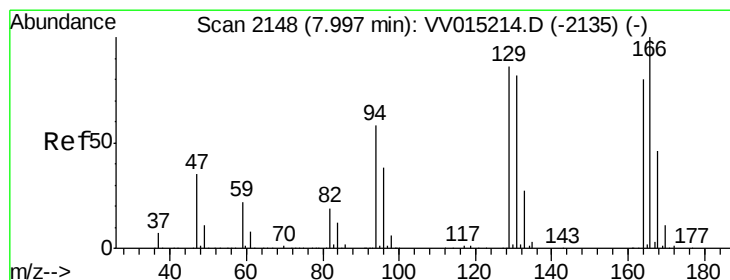
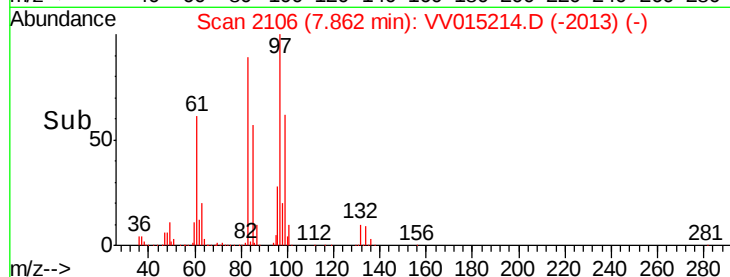
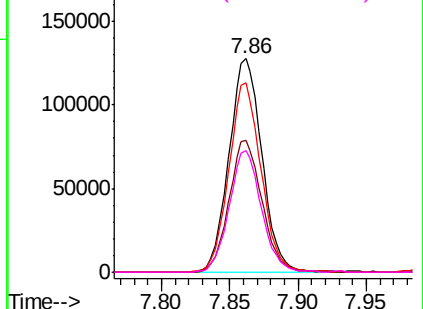
#45
 1,1,2-Trichloroethane
 Concen: 46.870 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV015214.D
 Acq: 27 Mar 2020 19:36

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	214446
Ion	Ratio	Lower	Upper
97	100		
99	61.8	43.3	80.3
83	88.7	62.1	115.3
85	57.1	40.0	74.2

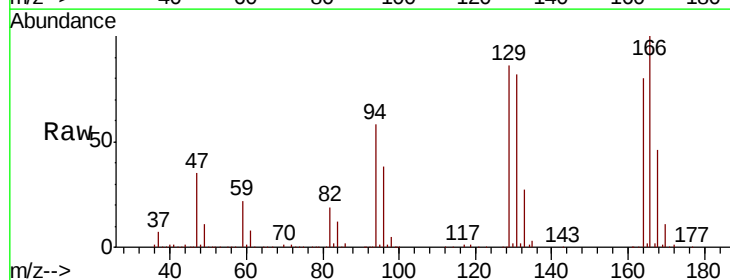


Abundance Ion 97.00 (96.70 to 97.70): VV015214.D (-2093) (-)
 Ion 99.00 (98.70 to 99.70): VV015214.D (-2093) (-)
 Ion 83.00 (82.70 to 83.70): VV015214.D (-2093) (-)
 Ion 85.00 (84.70 to 85.70): VV015214.D (-2093) (-)

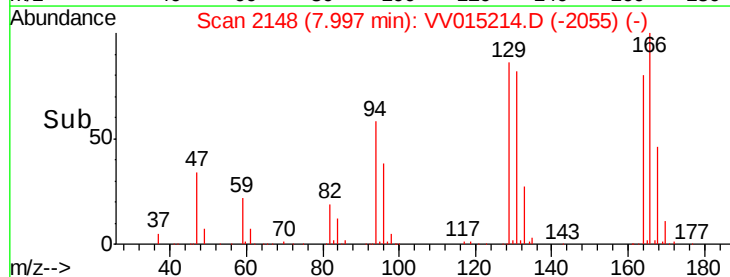
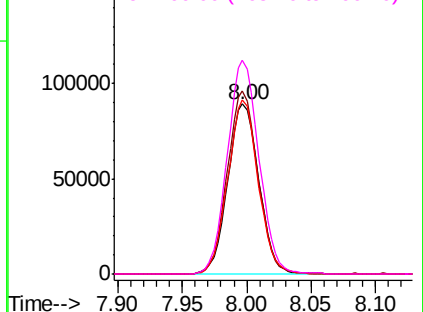


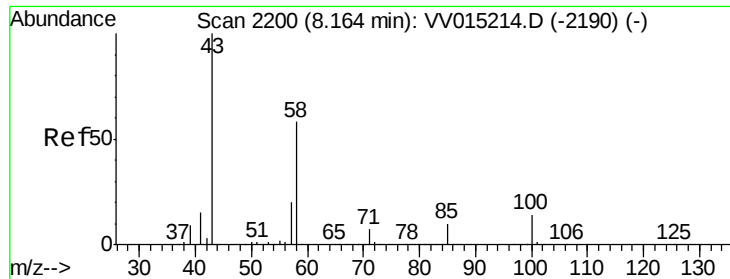
#46
 Tetrachloroethene
 Concen: 47.056 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV015214.D
 Acq: 27 Mar 2020 19:36

Tgt Ion:	164	Resp:	149497
Ion	Ratio	Lower	Upper
164	100		
129	107.6	75.3	139.9
131	102.6	71.8	133.4
166	125.6	87.9	163.3



Abundance Ion 164.00 (163.70 to 164.70): VV015214.D (-2135) (-)
 Ion 129.00 (128.70 to 129.70): VV015214.D (-2135) (-)
 Ion 131.00 (130.70 to 131.70): VV015214.D (-2135) (-)
 Ion 166.00 (165.70 to 166.70): VV015214.D (-2135) (-)

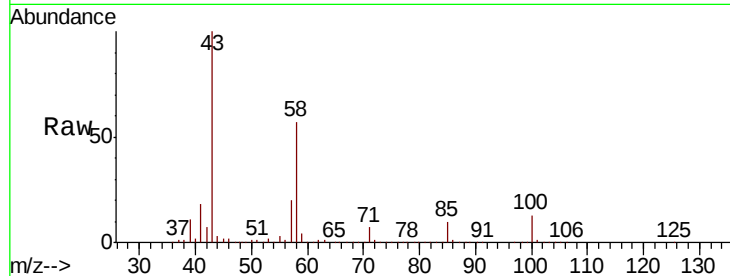




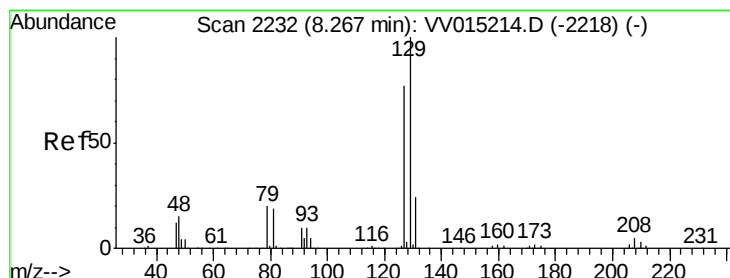
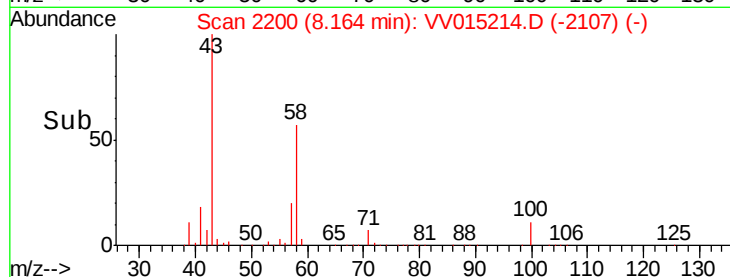
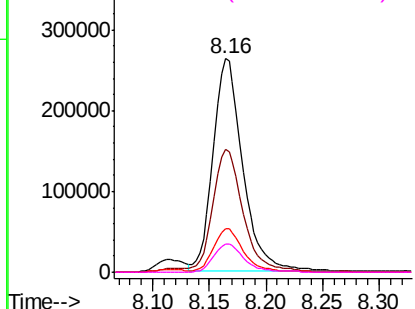
#48
2-Hexanone
Concen: 87.614 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV015214.D
Acq: 27 Mar 2020 19:36

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 479634
Ion Ratio Lower Upper
43 100
58 56.9 45.5 68.3
57 19.7 15.8 23.6
100 13.6 10.9 16.3

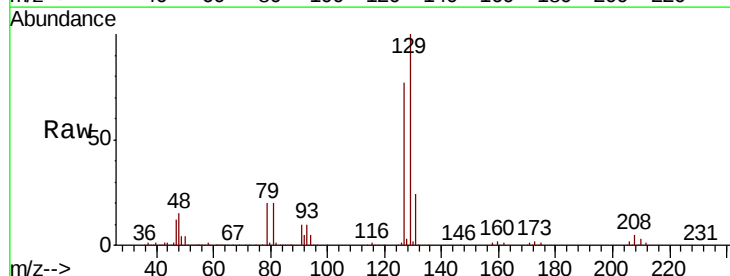


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

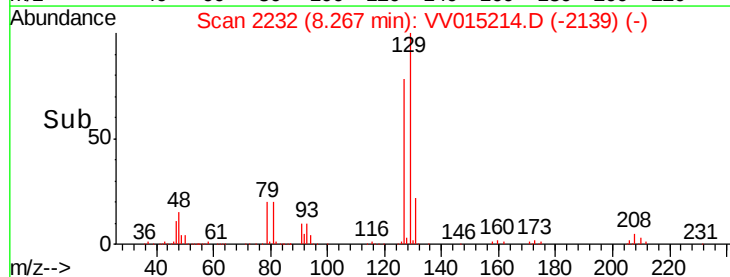
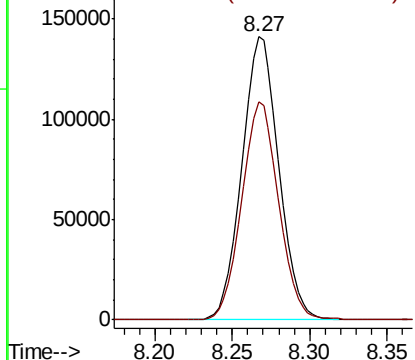


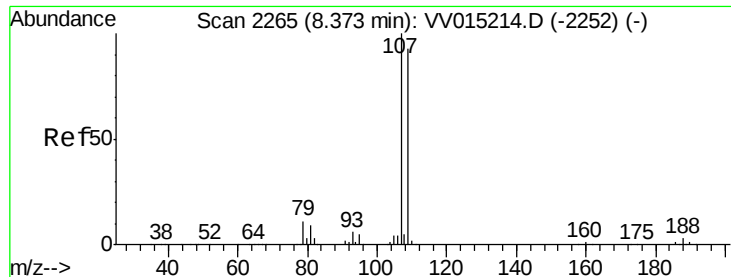
#49
Dibromochloromethane
Concen: 46.634 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV015214.D
Acq: 27 Mar 2020 19:36

Tgt Ion: 129 Resp: 234227
Ion Ratio Lower Upper
129 100
127 77.1 54.0 100.2



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

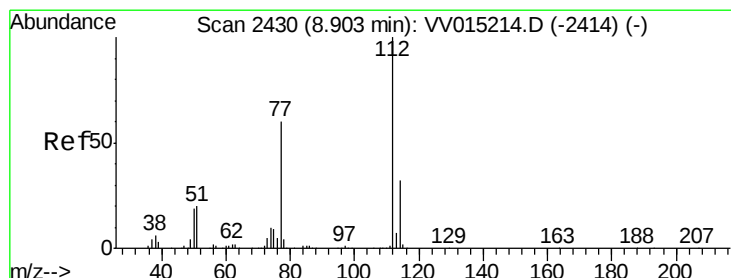
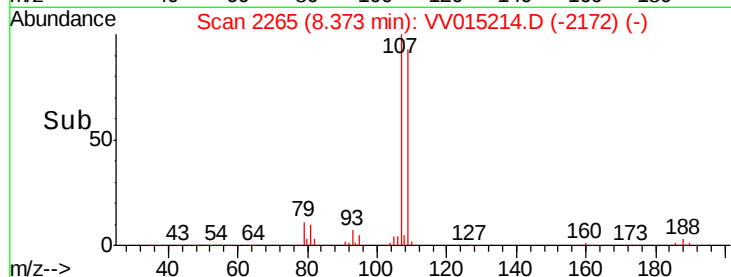
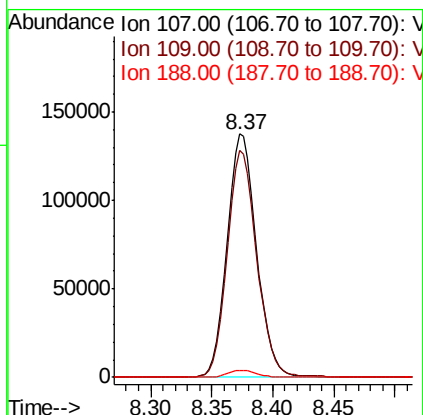
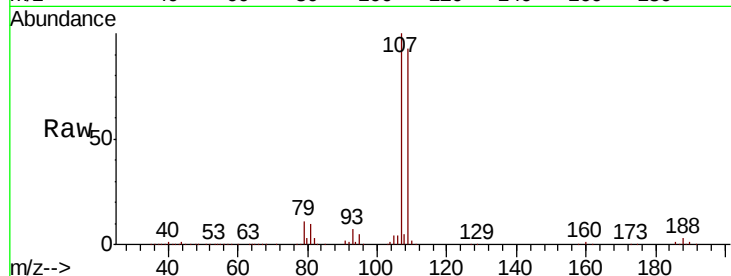




#50
 1,2-Dibromoethane
 Concen: 46.979 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV015214.D
 Acq: 27 Mar 2020 19:36

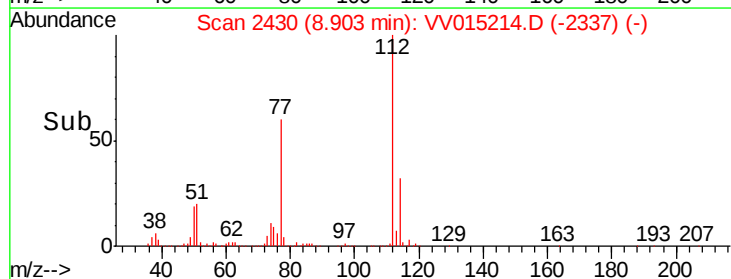
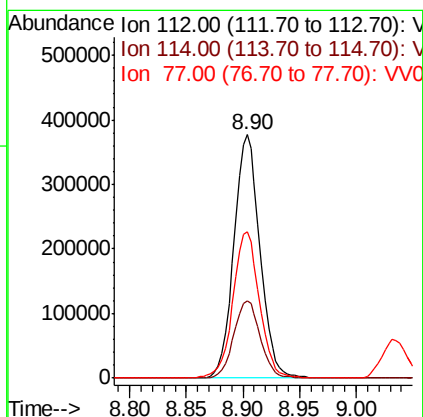
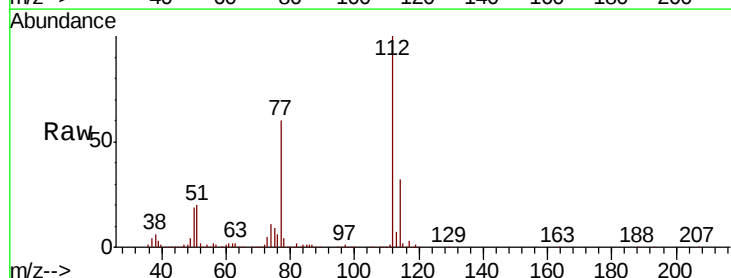
Instrument :
 MSVOA_V
 ClientSampleId :

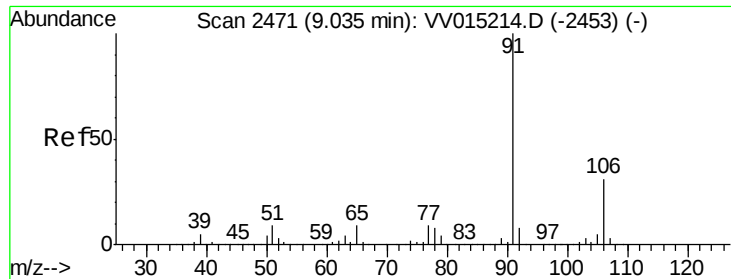
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	65.1	120.9
188	2.9	2.3	3.5



#51
 Chlorobenzene
 Concen: 46.555 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV015214.D
 Acq: 27 Mar 2020 19:36

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.3	41.5
77	60.2	48.2	72.2





#52

Ethylbenzene

Concen: 46.895 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV015214.D

Acq: 27 Mar 2020 19:36

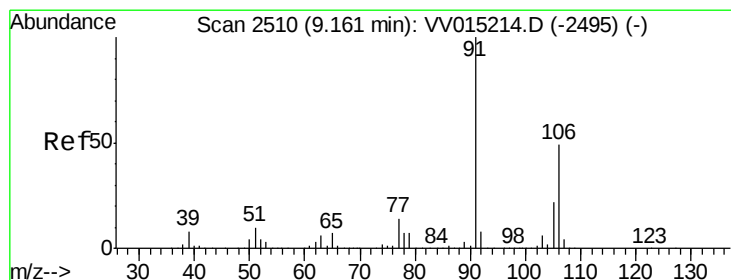
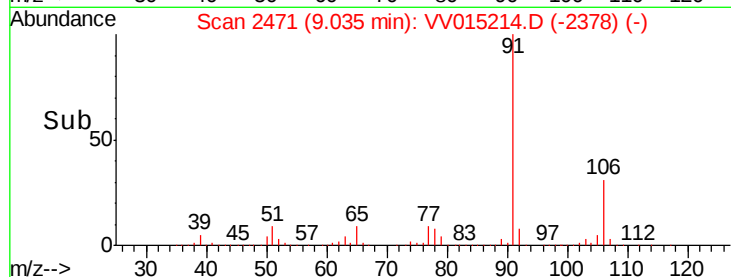
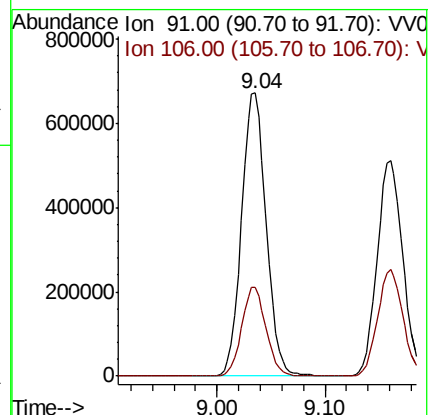
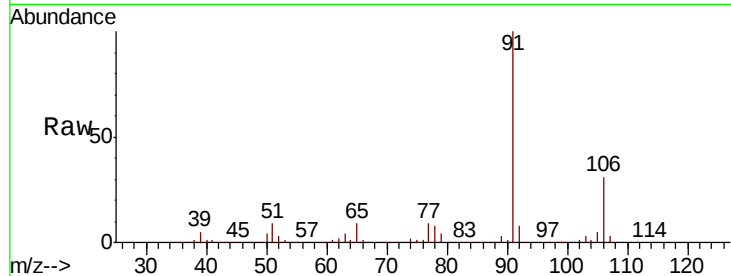
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 1072016

Ion Ratio Lower Upper

91 100

106 31.3 21.9 40.7



#53

m,p-Xylene

Concen: 47.254 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015214.D

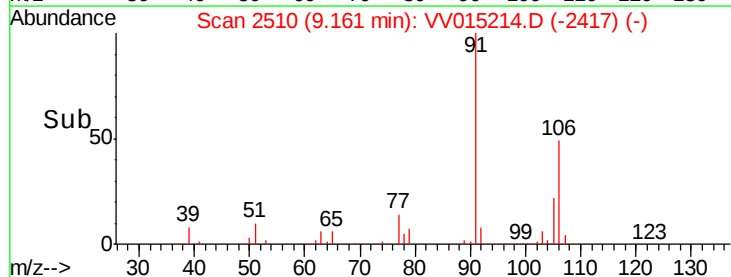
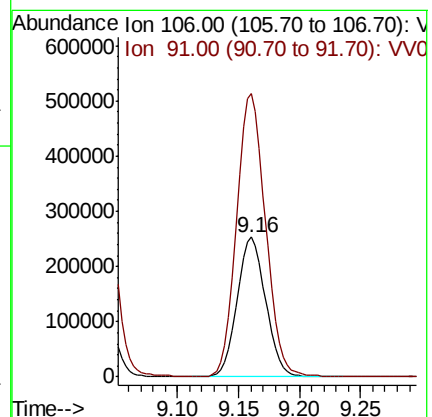
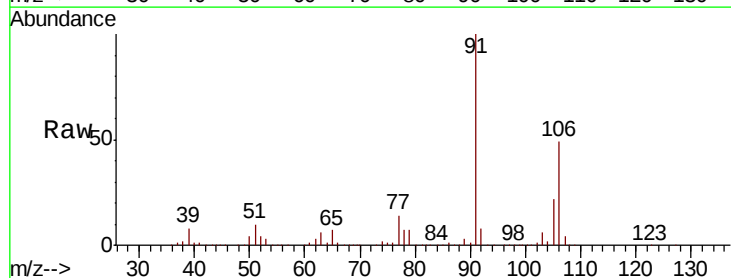
Acq: 27 Mar 2020 19:36

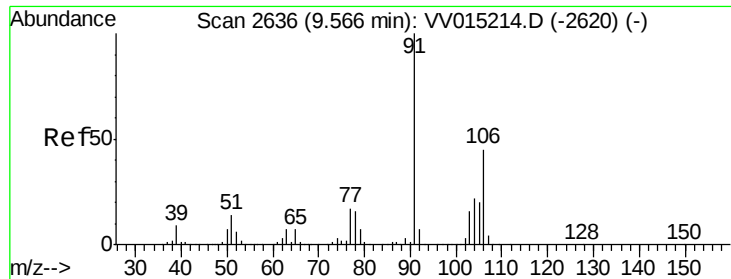
Tgt Ion: 106 Resp: 411610

Ion Ratio Lower Upper

106 100

91 203.0 142.1 263.9

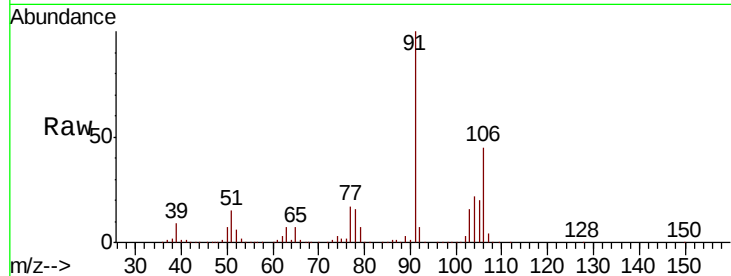




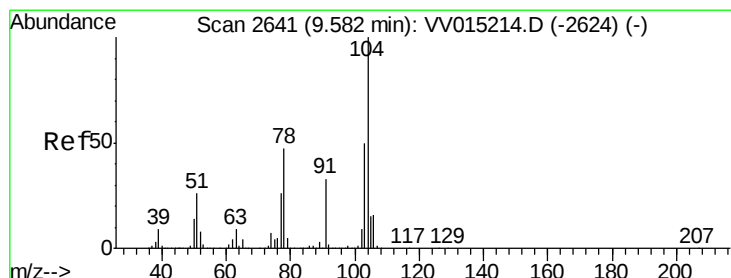
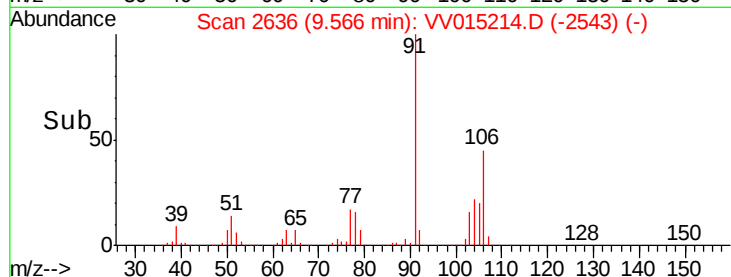
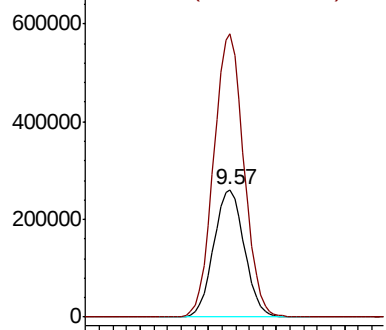
#54
o-xylene
Concen: 46.610 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV015214.D
Acq: 27 Mar 2020 19:36

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 408420
Ion Ratio Lower Upper
106 100
91 222.1 155.5 288.7

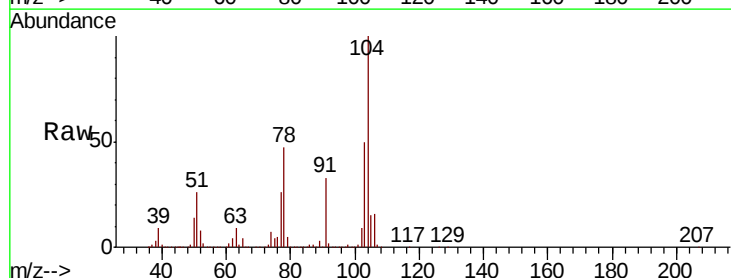


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

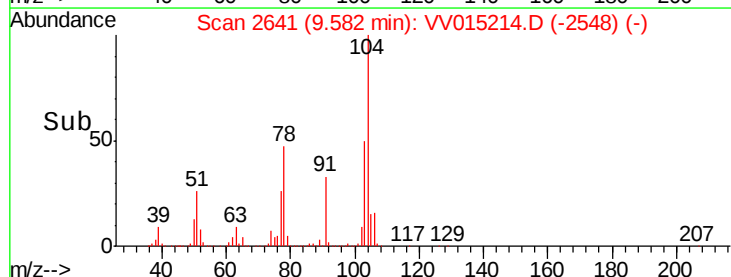
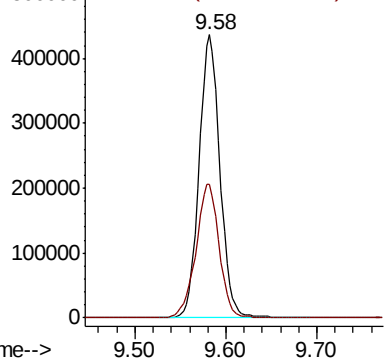


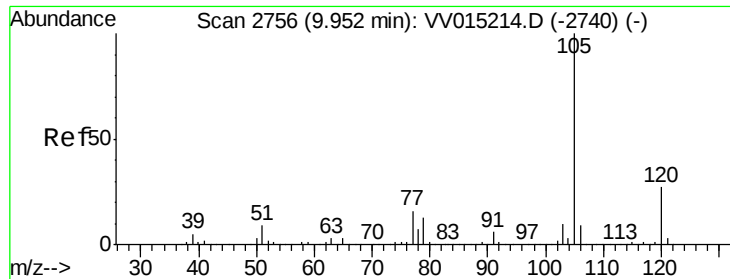
#55
Styrene
Concen: 46.977 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV015214.D
Acq: 27 Mar 2020 19:36

Tgt Ion:104 Resp: 695329
Ion Ratio Lower Upper
104 100
78 47.1 33.0 61.2



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





#56

Isopropylbenzene

Concen: 47.601 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015214.D

Acq: 27 Mar 2020 19:36

Instrument :

MSVOA_V

ClientSampleId :

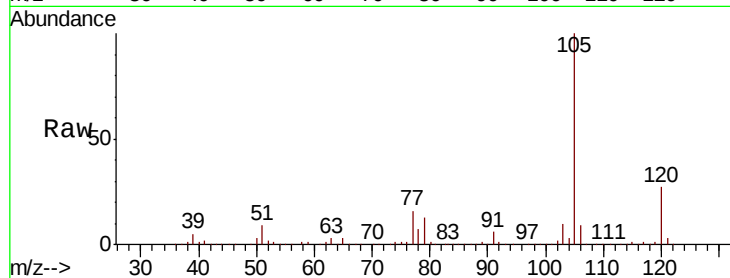
Tot Ion:105 Resp: 1070466

Ion Ratio Lower Upper

105 100

120 26.7 21.4 32.0

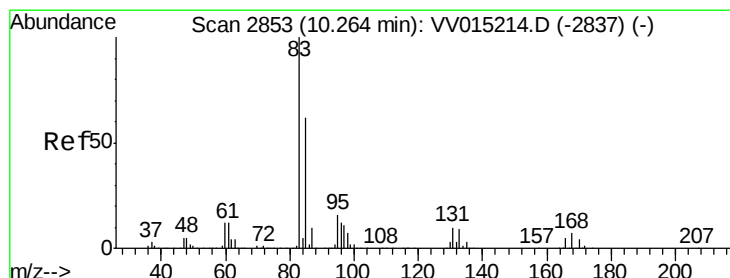
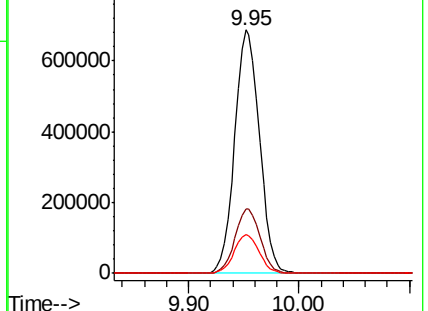
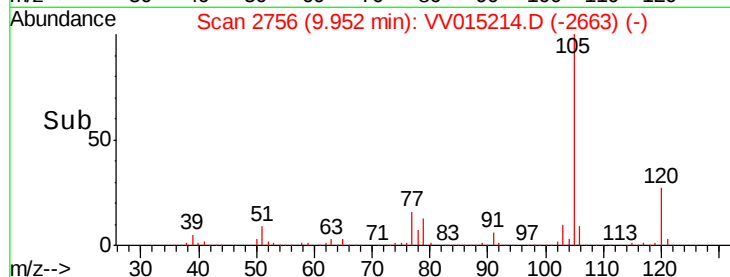
77 16.2 13.0 19.4



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: 45.870 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015214.D

Acq: 27 Mar 2020 19:36

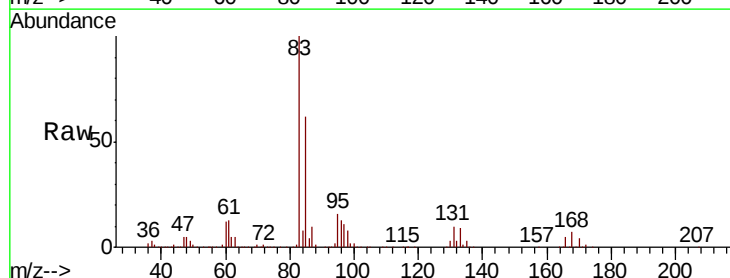
Tgt Ion: 83 Resp: 351690

Ion Ratio Lower Upper

83 100

85 62.3 43.6 81.0

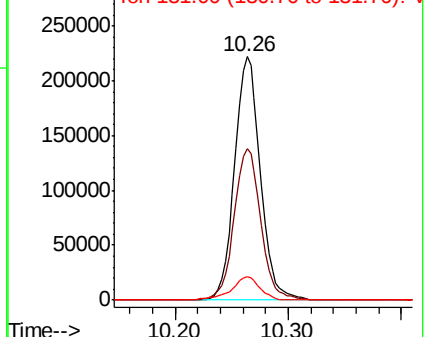
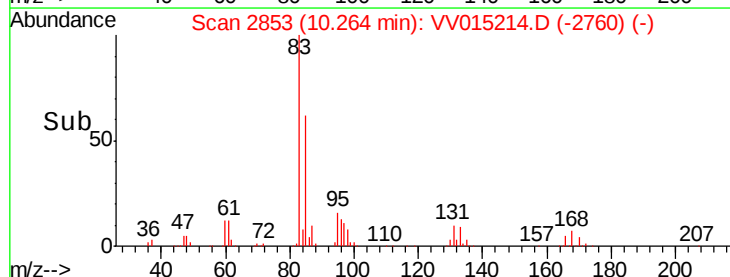
131 9.7 7.8 11.6

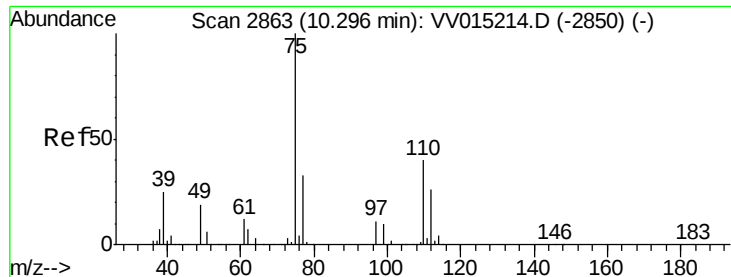


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 45.997 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV015214.D

Acq: 27 Mar 2020 19:36

Instrument :

MSVOA_V

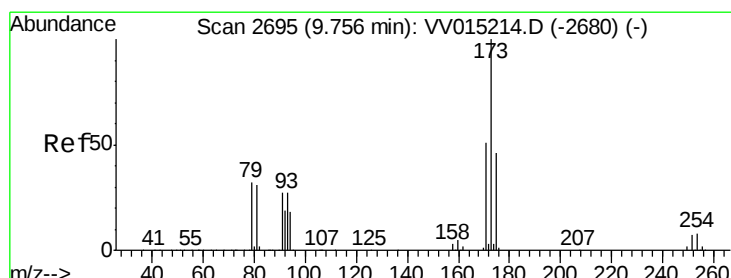
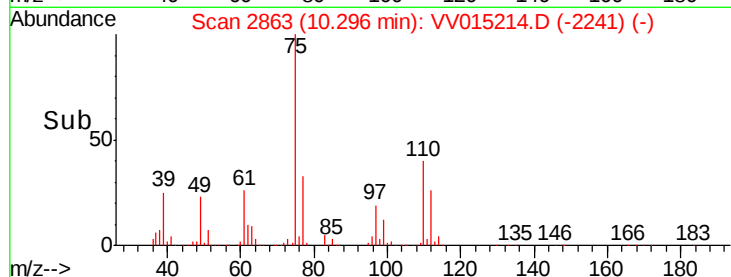
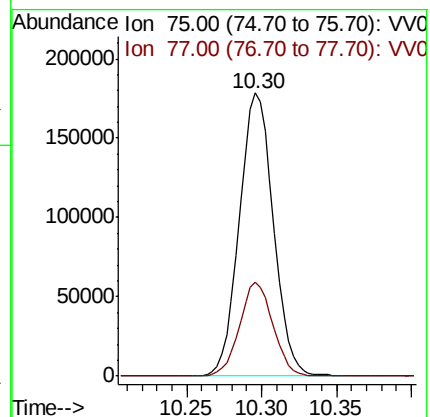
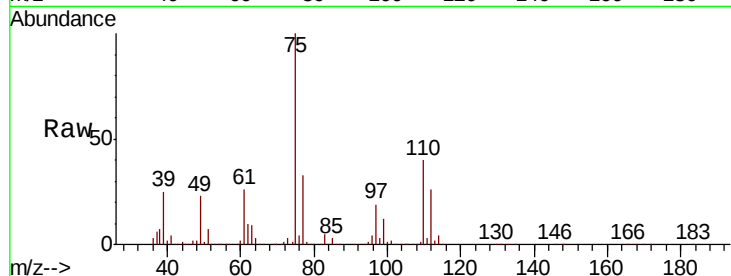
ClientSampleId :

Tot Ion: 75 Resp: 282976

Ion Ratio Lower Upper

75 100

77 32.5 26.0 39.0



#61

Bromoform

Concen: 46.077 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV015214.D

Acq: 27 Mar 2020 19:36

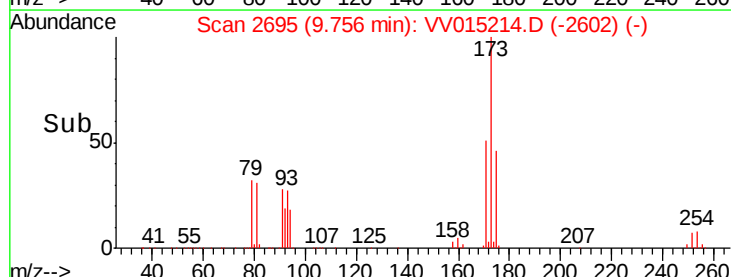
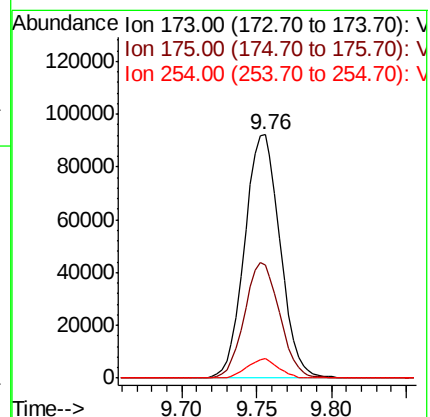
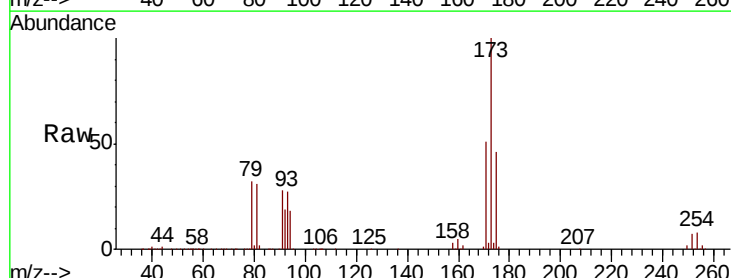
Tgt Ion: 173 Resp: 152187

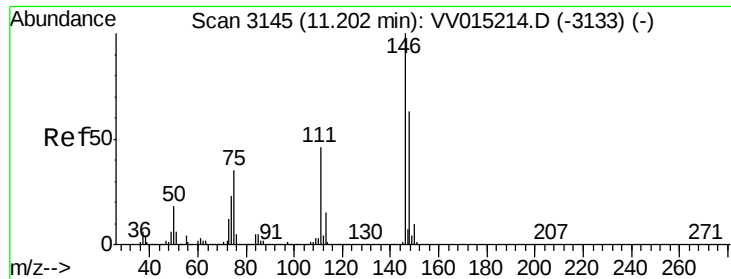
Ion Ratio Lower Upper

173 100

175 47.0 37.6 56.4

254 6.9 5.5 8.3





#62

1,3-Dichlorobenzene

Concen: 45.982 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015214.D

Acq: 27 Mar 2020 19:36

Instrument :

MSVOA_V

ClientSampleId :

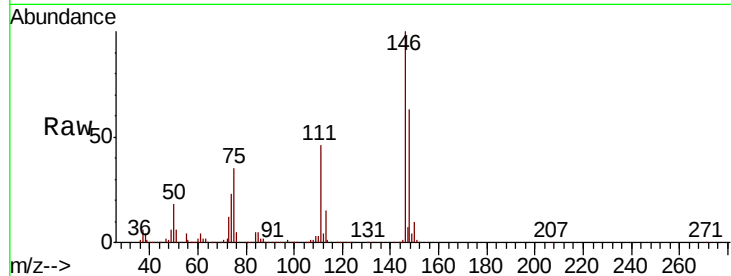
Tot Ion:146 Resp: 441491

Ion Ratio Lower Upper

146 100

111 45.9 32.1 59.7

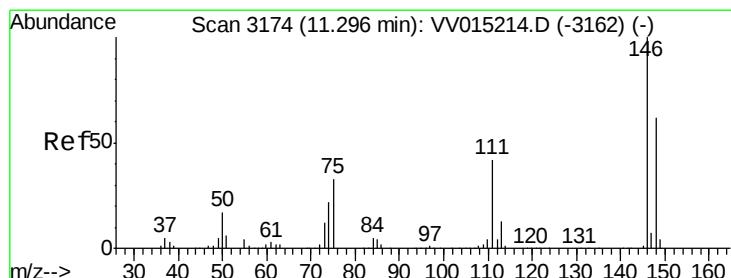
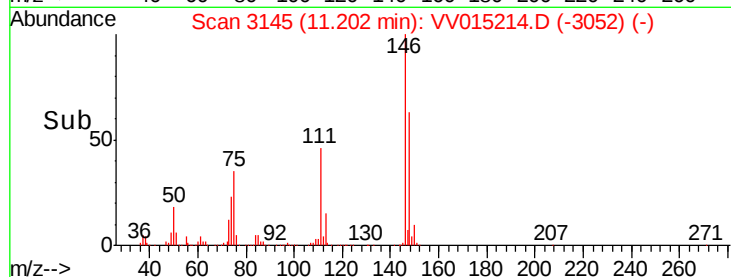
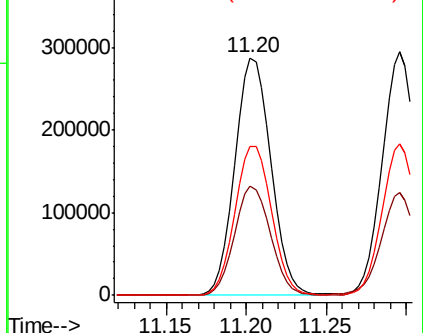
148 62.8 44.0 81.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 45.706 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015214.D

Acq: 27 Mar 2020 19:36

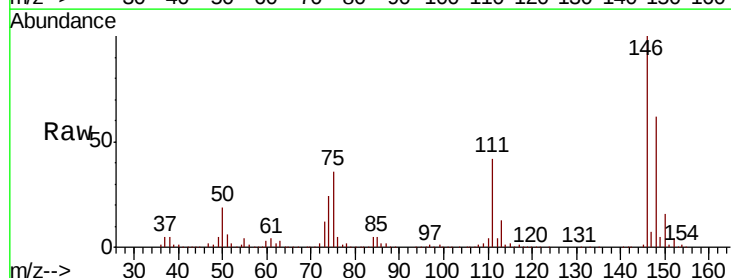
Tgt Ion:146 Resp: 443901

Ion Ratio Lower Upper

146 100

111 42.0 29.4 54.6

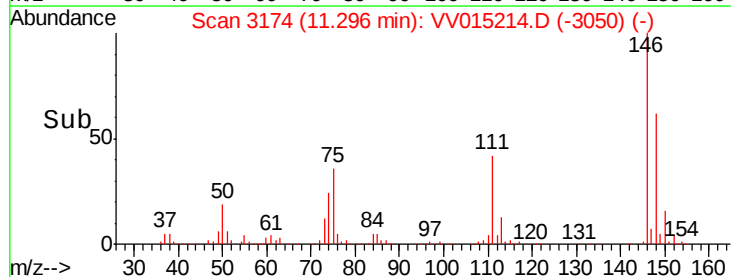
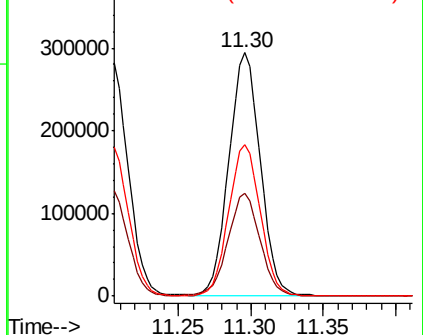
148 62.3 43.6 81.0

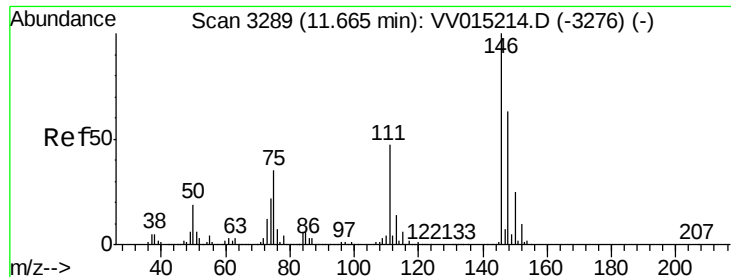


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

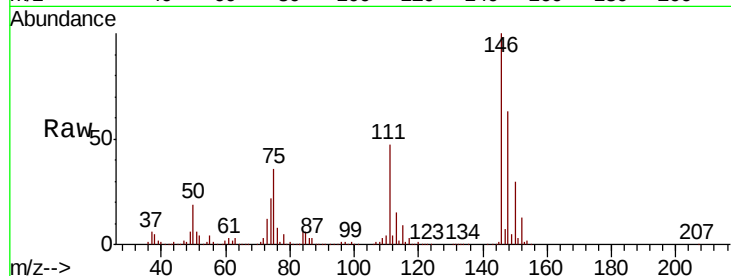




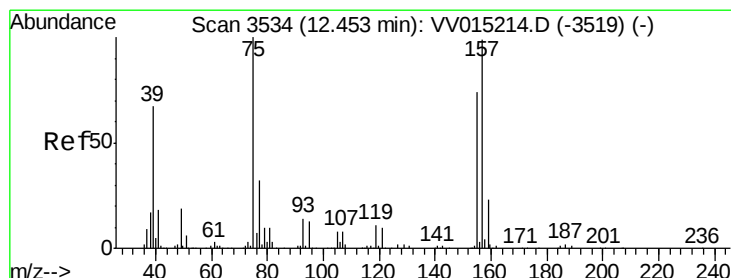
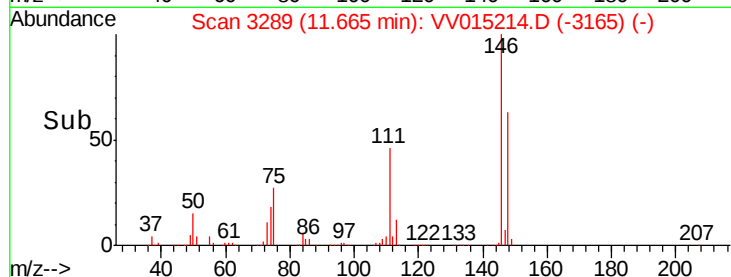
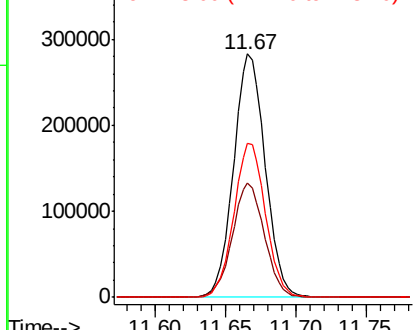
#65
 1,2-Dichlorobenzene
 Concen: 45.558 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV015214.D
 Acq: 27 Mar 2020 19:36

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:146 Resp: 443229
 Ion Ratio Lower Upper
 146 100
 111 47.0 37.6 56.4
 148 63.3 50.6 76.0

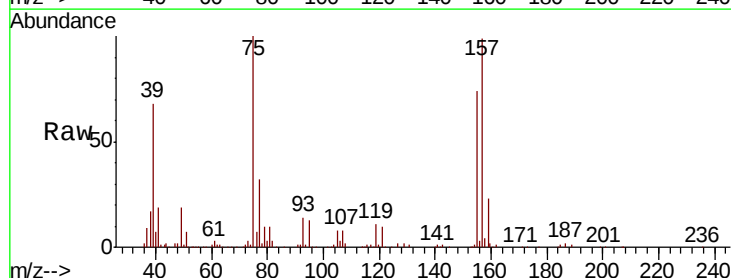


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

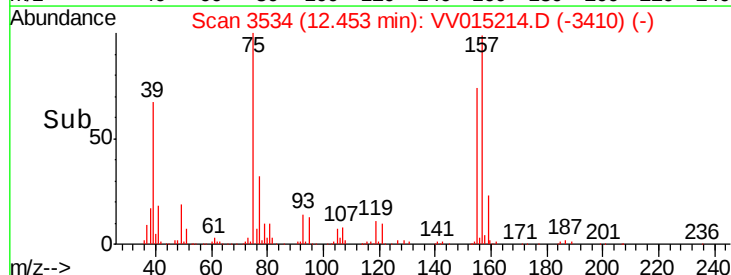
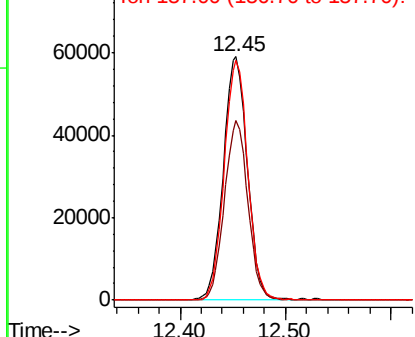


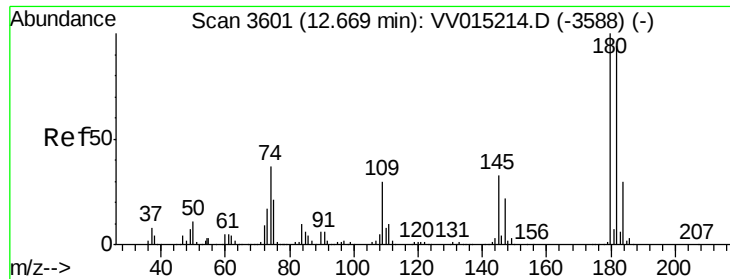
#66
 1,2-Dibromo-3-chloropropane
 Concen: 43.528 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV015214.D
 Acq: 27 Mar 2020 19:36

Tgt Ion: 75 Resp: 93656
 Ion Ratio Lower Upper
 75 100
 155 73.9 59.1 88.7
 157 98.6 78.9 118.3



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

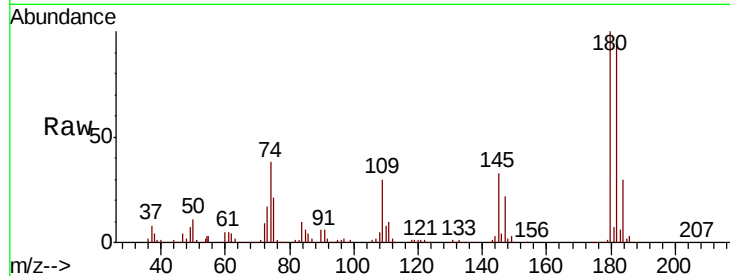




#67
 1,3,5-Trichlorobenzene
 Concen: 45.889 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015214.D
 Acq: 27 Mar 2020 19:36

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	75.4	113.0
184	29.8	23.8	35.8
145	33.6	26.9	40.3



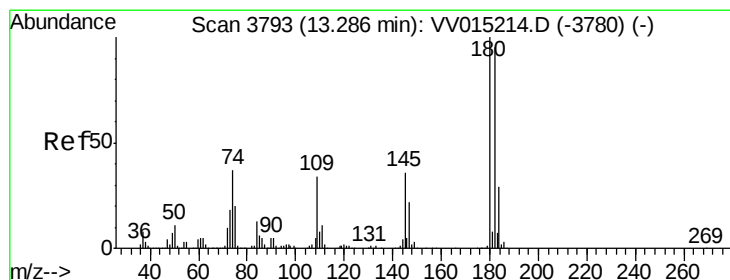
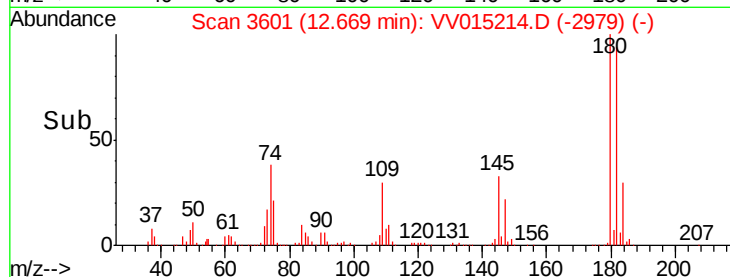
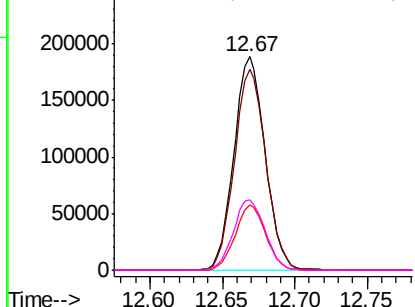
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

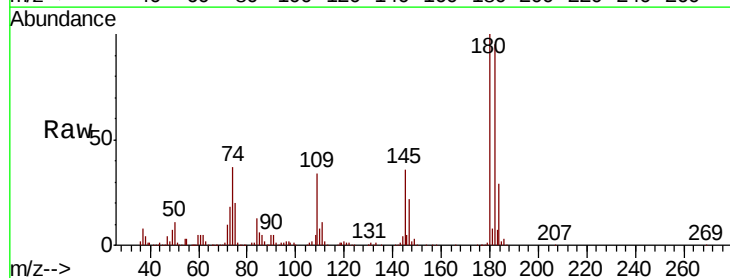
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 45.135 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015214.D
 Acq: 27 Mar 2020 19:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	75.5	113.3
145	35.6	28.5	42.7

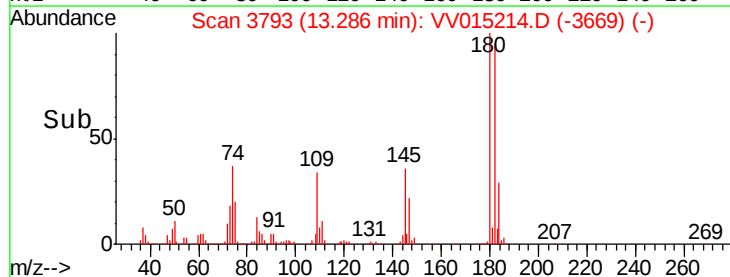
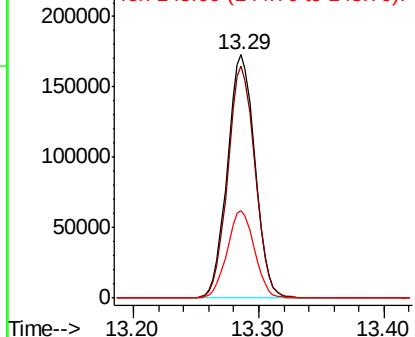


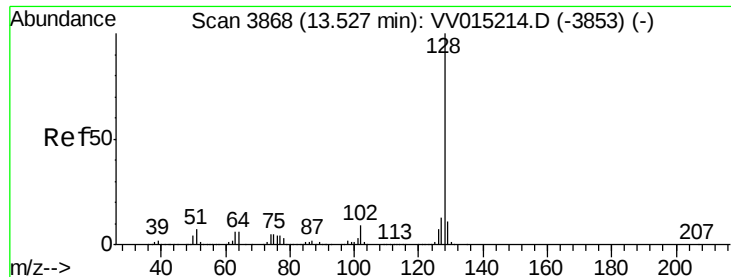
Abundance

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: 45.154 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015214.D

Acq: 27 Mar 2020 19:36

Instrument :

MSVOA_V

ClientSampleId :

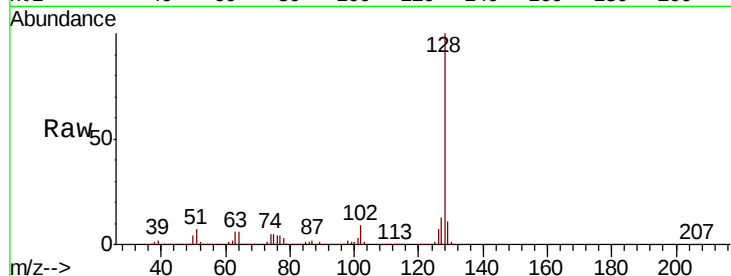
Tot Ion:128 Resp: 1054476

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

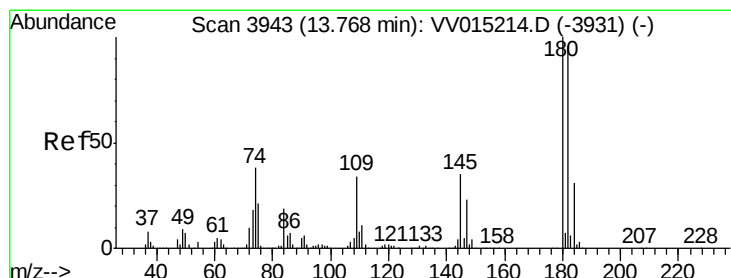
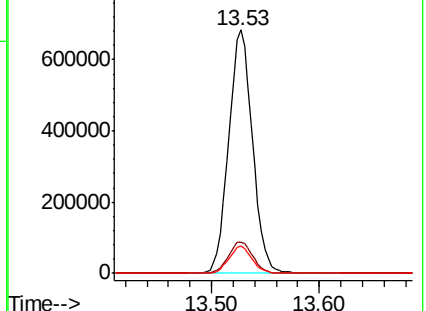
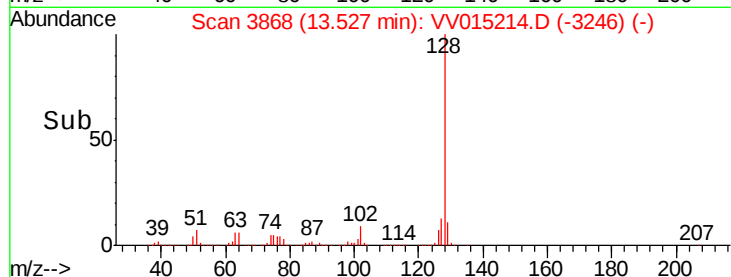
129 10.7 8.6 12.8



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: 46.021 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015214.D

Acq: 27 Mar 2020 19:36

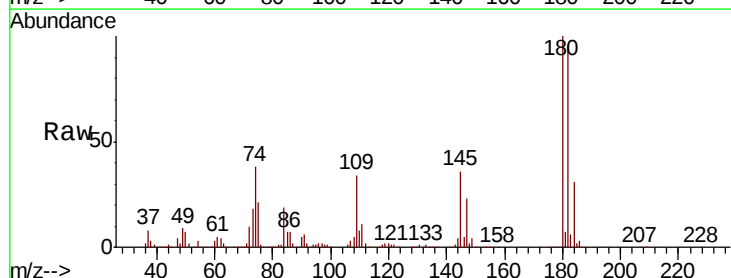
Tgt Ion:180 Resp: 269023

Ion Ratio Lower Upper

180 100

182 94.9 75.9 113.9

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

