

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032720\
 Data File : VV015213.D
 Acq On : 27 Mar 2020 19:12
 Operator : SY/MD
 Sample : VSTD01064
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 28 00:29:46 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	583838	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	556098	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	250364	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	23940	7.98	ug/L	0.00
7) Chloroethane-d5	1.58	69	25891	8.48	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	58733	8.45	ug/L	0.00
21) 2-Butanone-d5	4.12	46	143	0.05	ug/L	0.19
24) Chloroform-d	4.38	84	61531	9.06	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	40578	9.01	ug/L	0.00
32) Benzene-d6	5.08	84	103201	9.18	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	38526	9.46	ug/L	0.00
41) Toluene-d8	7.34	98	86284	8.53	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	19938	9.05	ug/L	0.00
47) 2-Hexanone-d5	8.12	63	42918	17.86	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	66330	9.51	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	43251	9.34	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	44179	8.740	ug/L 98
3) Chloromethane	1.25	50	54192	9.854	ug/L 98
5) Vinyl chloride	1.32	62	55153	9.754	ug/L 98
6) Bromomethane	1.53	94	34841	9.537	ug/L 98
8) Chloroethane	1.60	64	36064	9.800	ug/L 96
9) Trichlorofluoromethane	1.77	101	84382	9.190	ug/L 96
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	44607	9.367	ug/L 99
12) 1,1-Dichloroethene	2.13	96	43970	9.420	ug/L 93
13) Acetone	2.21	43	11373	5.307	ug/L # 100
14) Carbon disulfide	2.31	76	112607	9.490	ug/L 99
15) Methyl Acetate	2.46	43	41839	9.515	ug/L 99
16) Methylene chloride	2.52	84	44793	10.269	ug/L 92
17) trans-1,2-Dichloroethene	2.78	96	39669	9.808	ug/L 98
18) Methyl tert-butyl Ether	2.79	73	134141	9.817	ug/L 97
19) 1,1-Dichloroethane	3.21	63	74776	10.018	ug/L 98
20) cis-1,2-Dichloroethene	3.94	96	47009	10.336	ug/L # 94
22) 2-Butanone	4.04	43	45191	13.560	ug/L 80
23) Bromochloromethane	4.28	128	22328	10.216	ug/L 94
25) Chloroform	4.41	83	80363	10.408	ug/L 99
27) 1,2-Dichloroethane	5.16	62	59422	9.694	ug/L 97
29) Cyclohexane	4.70	56	62983	9.363	ug/L 98
30) 1,1,1-Trichloroethane	4.64	97	69054	9.895	ug/L 98
31) Carbon tetrachloride	4.86	117	57748	9.832	ug/L 97
33) Benzene	5.13	78	165857	10.095	ug/L 100
34) Trichloroethene	5.94	95	45203	10.573	ug/L 95
35) Methylcyclohexane	6.16	83	64832	9.180	ug/L 97
37) 1,2-Dichloropropane	6.20	63	40003	9.542	ug/L 99
38) Bromodichloromethane	6.53	83	59572	10.000	ug/L 93
39) cis-1,3-Dichloropropene	7.05	75	67956	9.784	ug/L 97
40) 4-Methyl-2-pentanone	7.26	43	123672	19.695	ug/L 99

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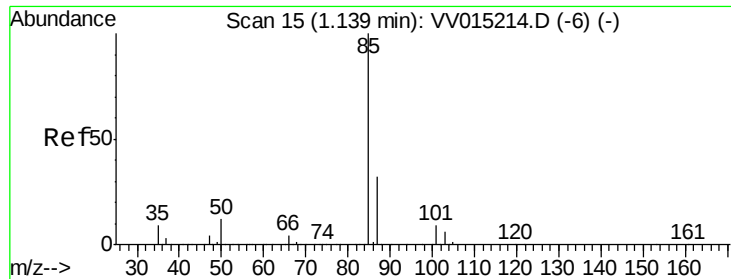
Instrument :
 MSVOA_V
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

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

42) Toluene	7.41	91	175838	9.607	ug/L	97
44) trans-1,3-Dichloropropene	7.68	75	64464	9.460	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	41394	10.026	ug/L	98
46) Tetrachloroethene	8.00	164	26278	9.166	ug/L	97
48) 2-Hexanone	8.17	43	92081	18.640	ug/L	96
49) Dibromochloromethane	8.27	129	42100	9.289	ug/L	99
50) 1,2-Dibromoethane	8.38	107	43530	9.735	ug/L	94
51) Chlorobenzene	8.90	112	114570	9.793	ug/L	99
52) Ethylbenzene	9.04	91	196764	9.539	ug/L	99
53) m,p-Xylene	9.16	106	75582	9.616	ug/L	97
54) o-xylene	9.57	106	76577	9.685	ug/L	100
55) Styrene	9.58	104	123907	9.277	ug/L	99
56) Isopropylbenzene	9.95	105	189373	9.332	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.26	83	66843	9.661	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	56734	10.220	ug/L	100
61) Bromoform	9.76	173	26121	9.149	ug/L #	97
62) 1,3-Dichlorobenzene	11.21	146	77752	9.368	ug/L	97
63) 1,4-Dichlorobenzene	11.30	146	78578	9.360	ug/L	96
65) 1,2-Dichlorobenzene	11.67	146	79716	9.479	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	18031	9.695	ug/L	95
67) 1,3,5-Trichlorobenzene	12.67	180	47016	8.852	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	43712	8.649	ug/L	97
69) Naphthalene	13.53	128	183745	9.103	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	45832	9.070	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 8.740 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV015213.D

Acq: 27 Mar 2020 19:12

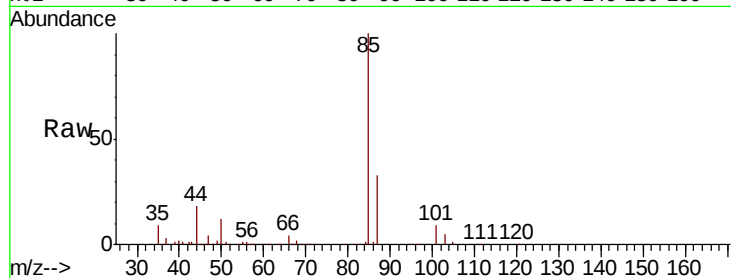
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 44179

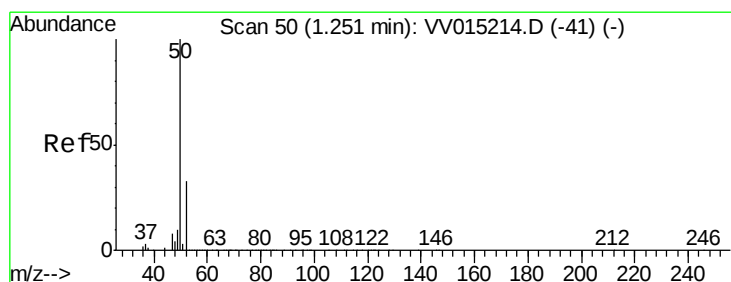
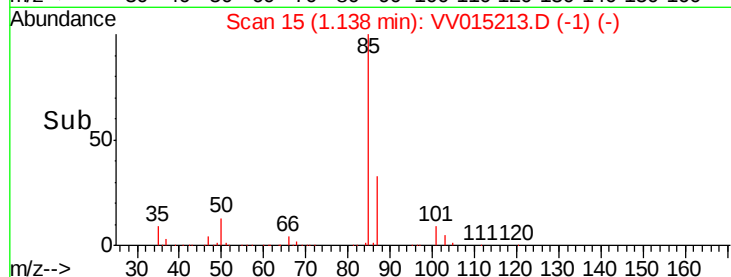
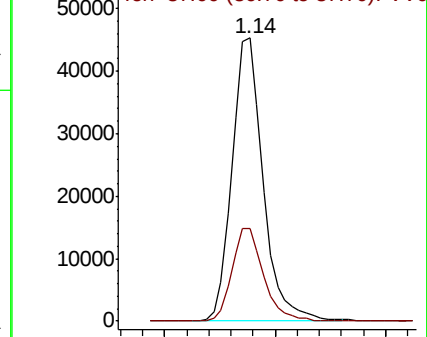
Ion Ratio Lower Upper

85 100

87 33.3 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VV015213.D (-1) (-)



#3

Chloromethane

Concen: 9.854 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV015213.D

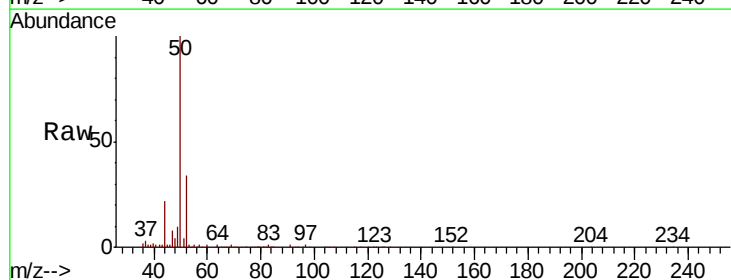
Acq: 27 Mar 2020 19:12

Tgt Ion: 50 Resp: 54192

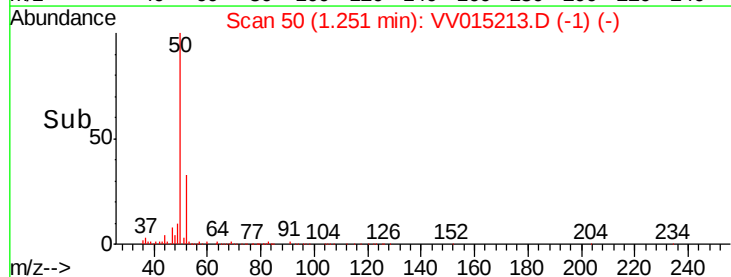
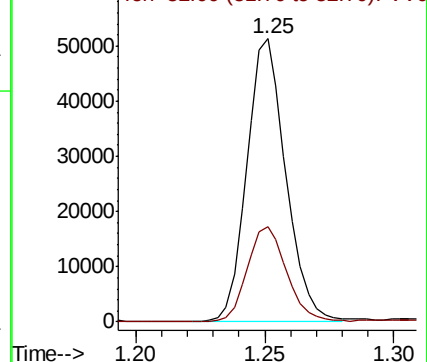
Ion Ratio Lower Upper

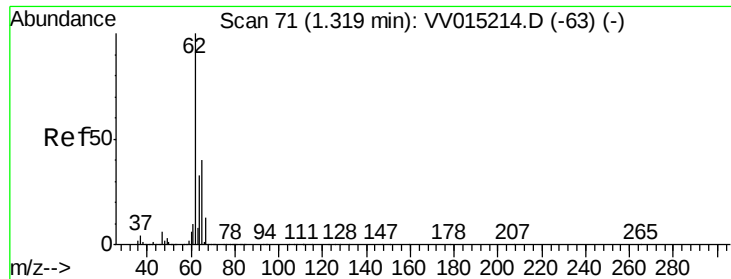
50 100

52 33.6 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VV015213.D (-1) (-)





#5

Vinyl chloride

Concen: 9.754 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV015213.D

Acq: 27 Mar 2020 19:12

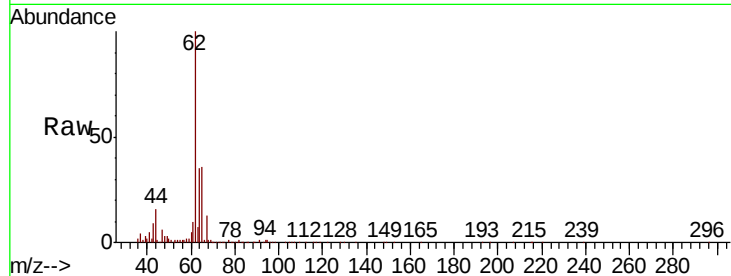
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 55153

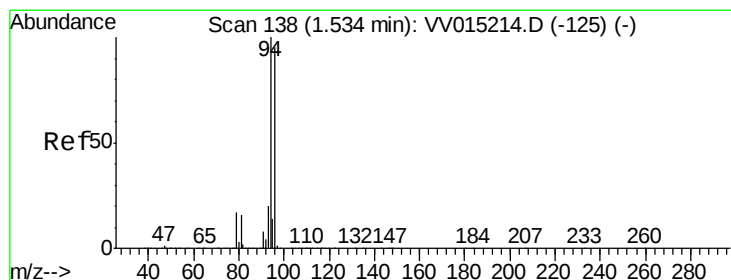
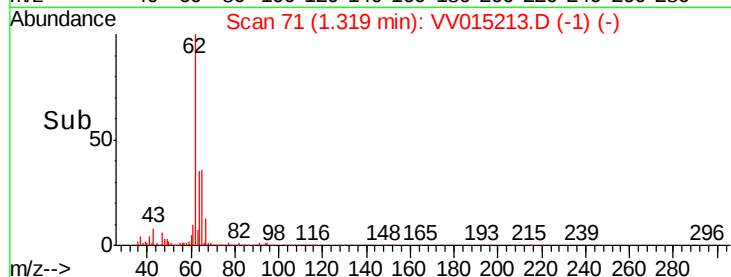
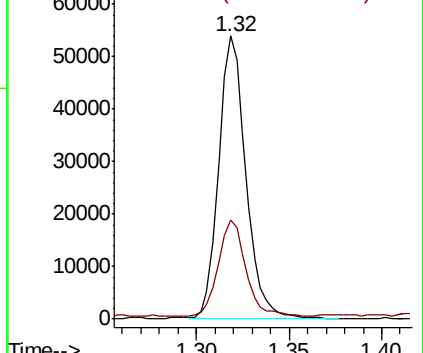
Ion Ratio Lower Upper

62 100

64 34.8 23.5 43.7



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



#6

Bromomethane

Concen: 9.537 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV015213.D

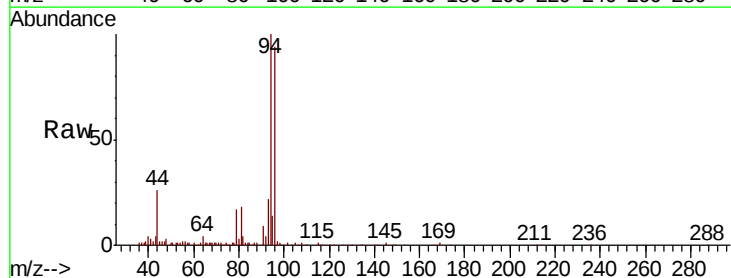
Acq: 27 Mar 2020 19:12

Tgt Ion: 94 Resp: 34841

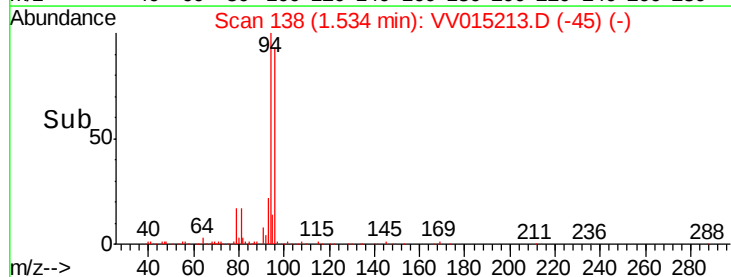
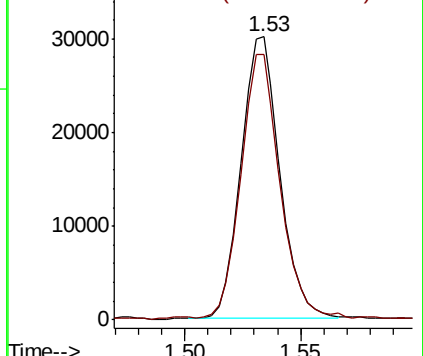
Ion Ratio Lower Upper

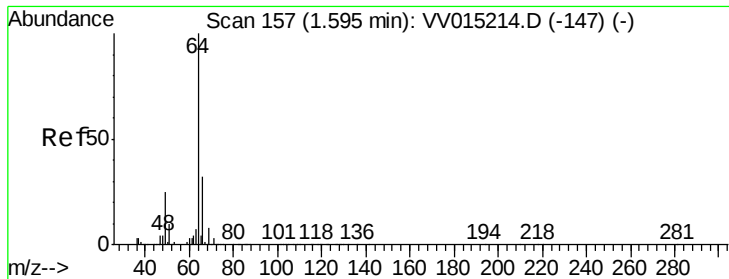
94 100

96 93.6 66.6 123.6



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





#8

Chloroethane

Concen: 9.800 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV015213.D

Acq: 27 Mar 2020 19:12

Instrument :

MSVOA_V

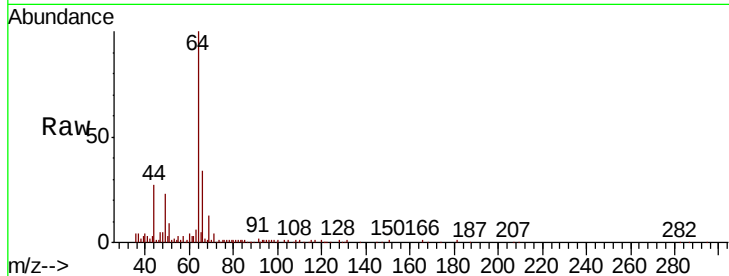
ClientSampleId :

Tot Ion: 64 Resp: 36064

Ion Ratio Lower Upper

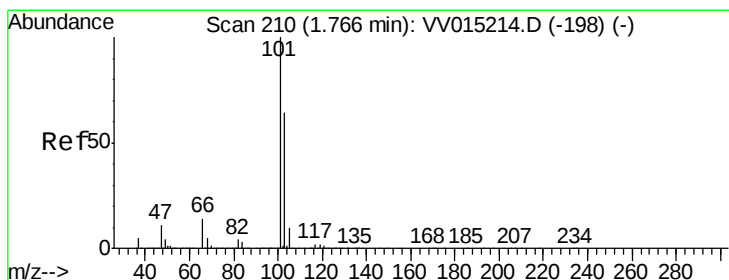
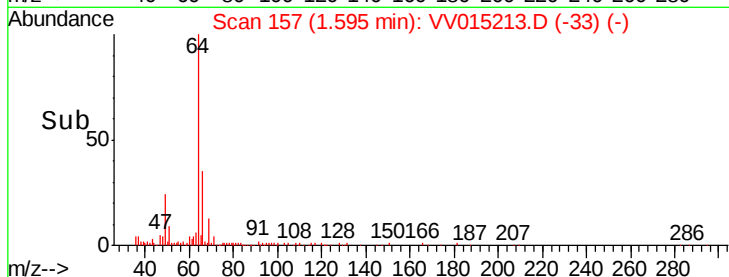
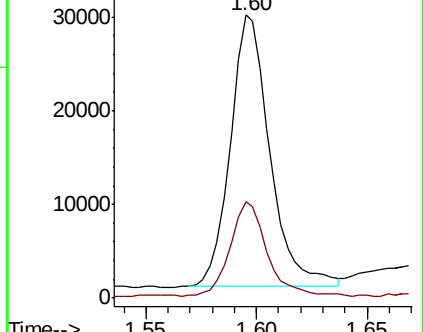
64 100

66 34.0 22.1 41.1



Abundance Ion 64.00 (63.70 to 64.70): VV015213.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV015213.D (-147) (-)



#9

Trichlorofluoromethane

Concen: 9.190 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV015213.D

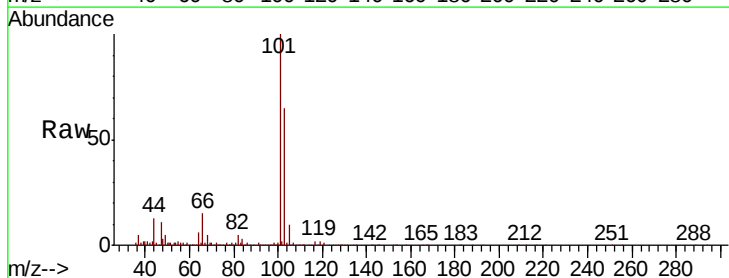
Acq: 27 Mar 2020 19:12

Tgt Ion: 101 Resp: 84382

Ion Ratio Lower Upper

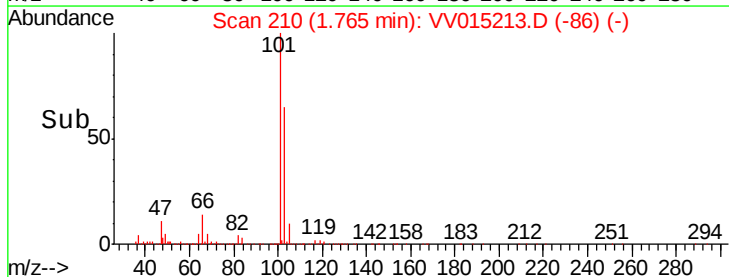
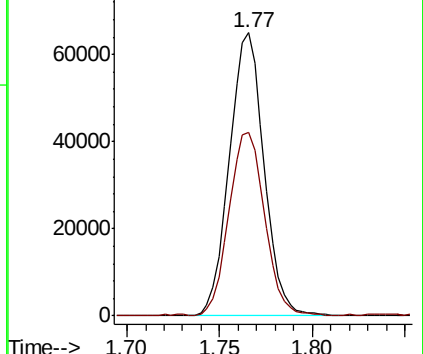
101 100

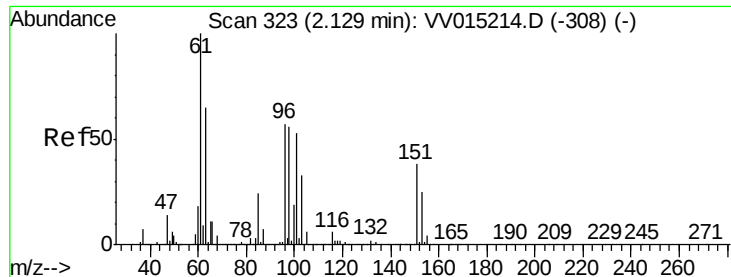
103 66.4 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): VV015213.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV015213.D (-198) (-)





#10

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

Concen: 9.367 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV015213.D

Acq: 27 Mar 2020 19:12

Instrument :

MSVOA_V

ClientSampleId :

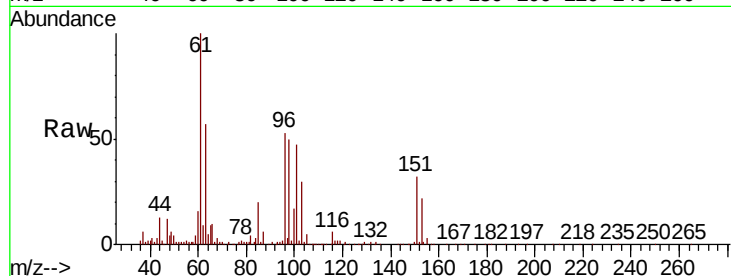
Tot Ion:101 Resp: 44607

Ion Ratio Lower Upper

101 100

85 44.4 36.3 54.5

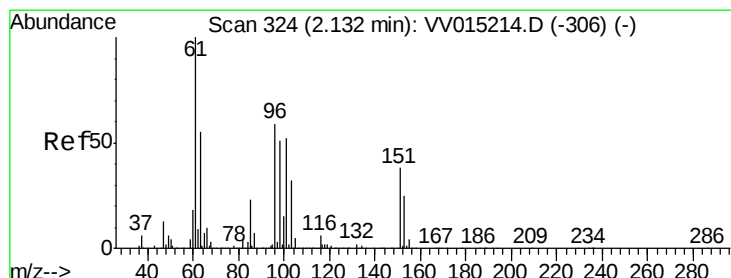
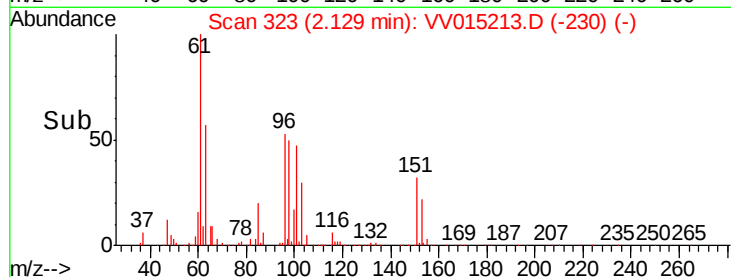
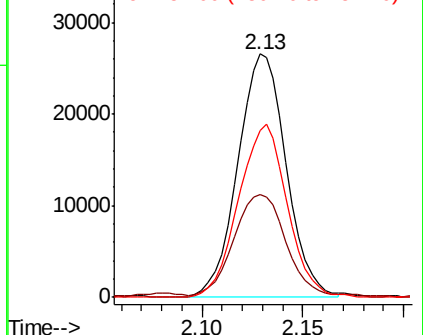
151 71.4 57.8 86.6



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: 9.420 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV015213.D

Acq: 27 Mar 2020 19:12

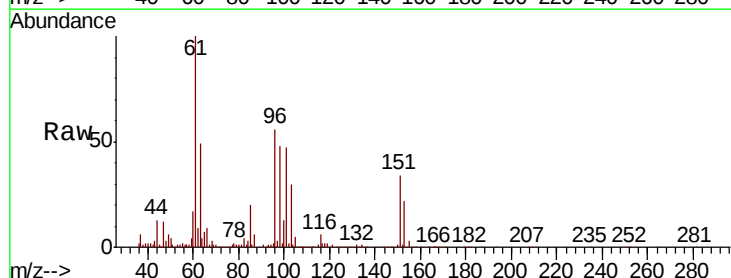
Tgt Ion: 96 Resp: 43970

Ion Ratio Lower Upper

96 100

61 178.4 119.1 221.3

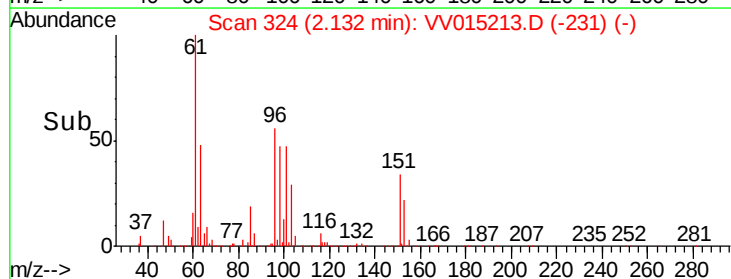
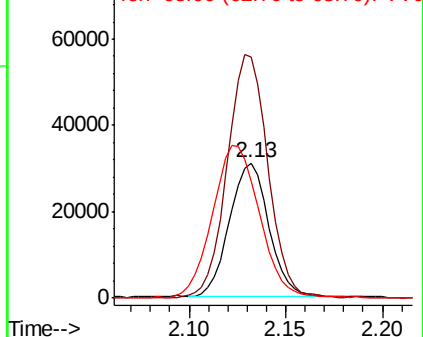
63 86.9 66.0 122.6

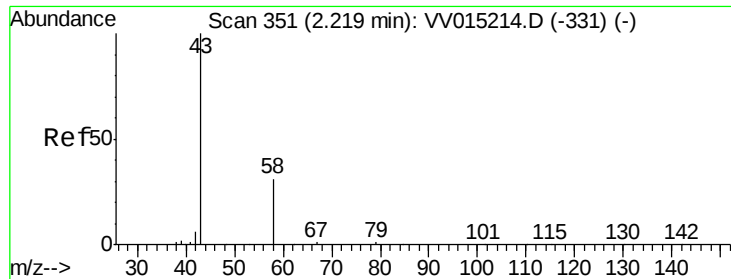


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 5.307 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.01 min

Lab File: VV015213.D

Acq: 27 Mar 2020 19:12

Instrument :

MSVOA_V

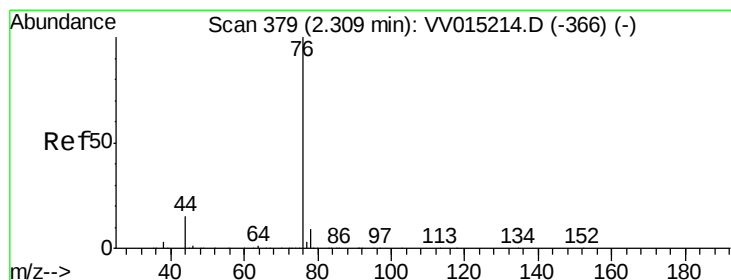
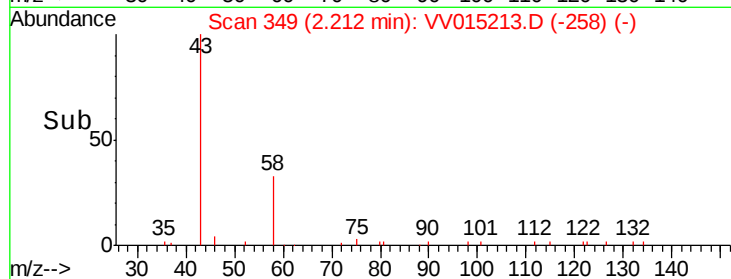
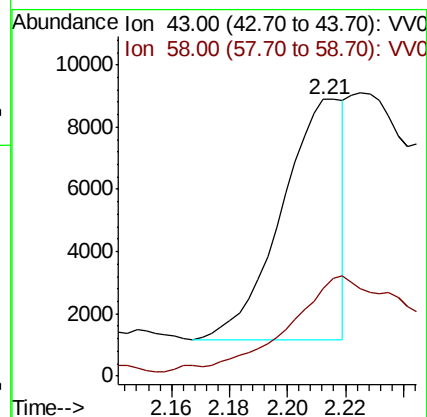
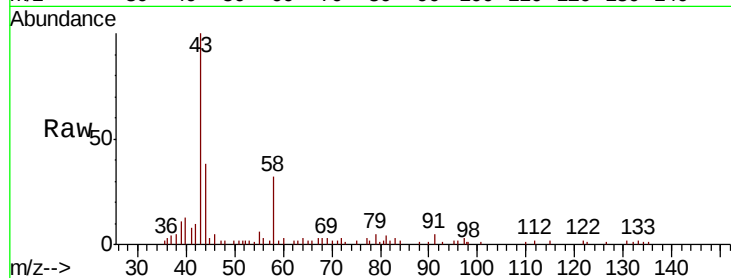
ClientSampleId :

Tot Ion: 43 Resp: 11373

Ion Ratio Lower Upper

43 100

58 48.3 0.0 0.0#



#14

Carbon disulfide

Concen: 9.490 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV015213.D

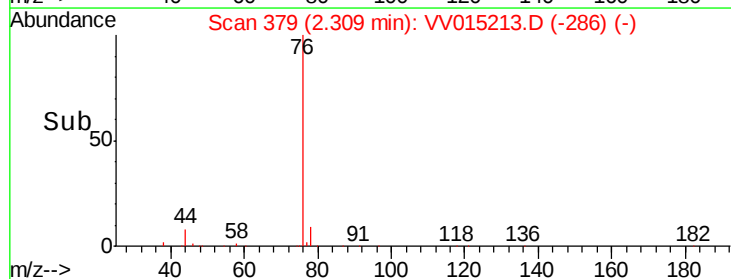
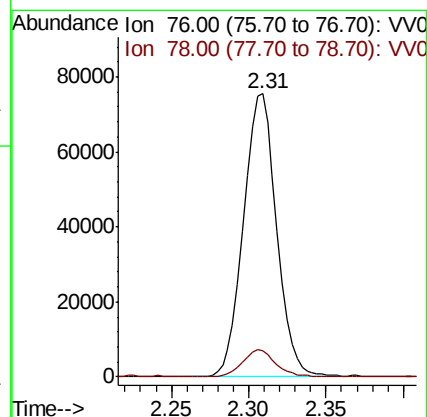
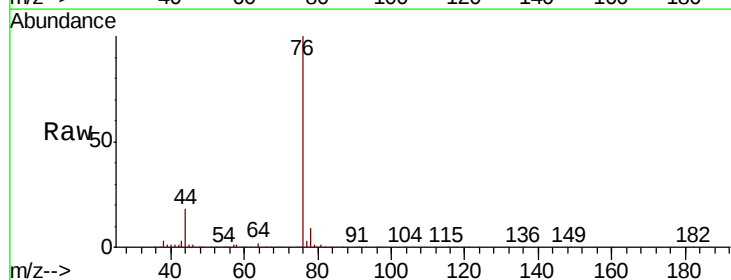
Acq: 27 Mar 2020 19:12

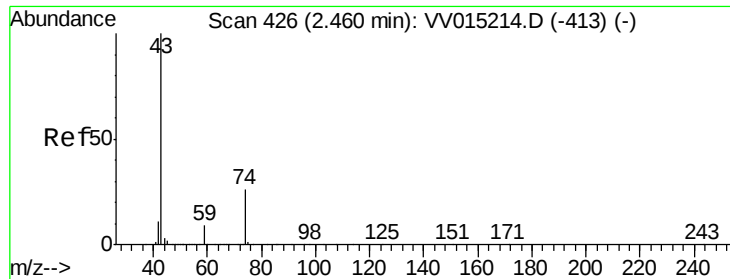
Tgt Ion: 76 Resp: 112607

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9

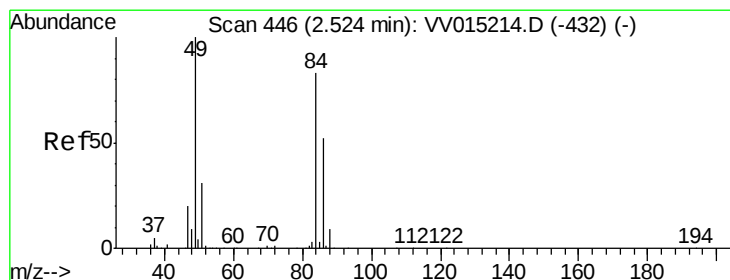
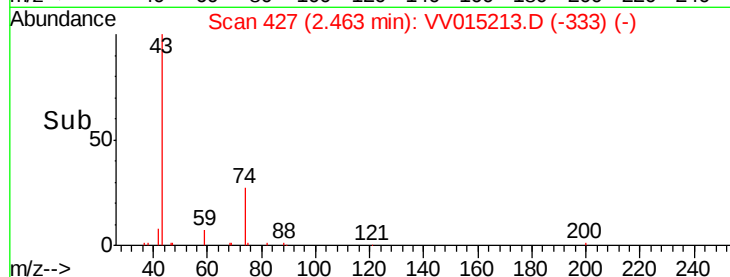
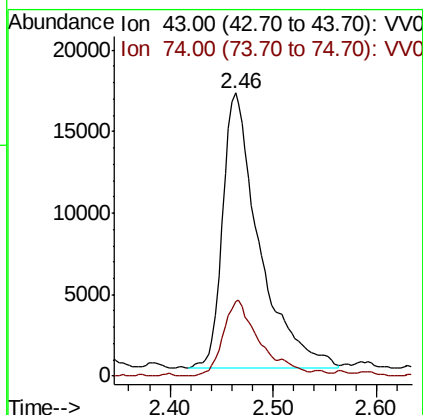
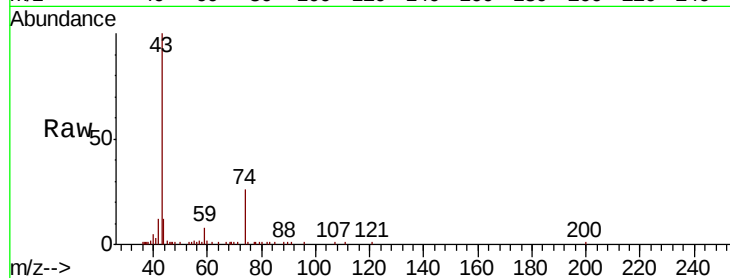




#15
Methvl Acetate
Concen: 9.515 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV015213.D
Acq: 27 Mar 2020 19:12

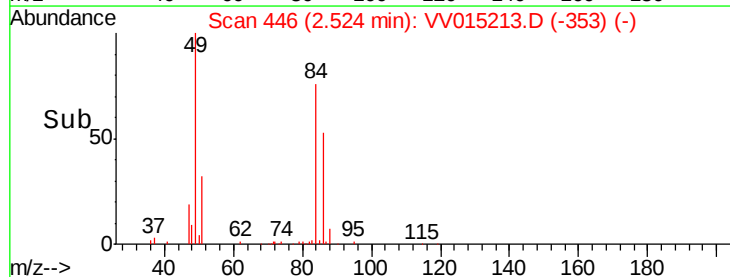
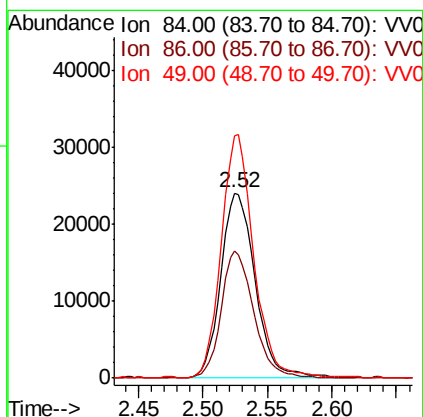
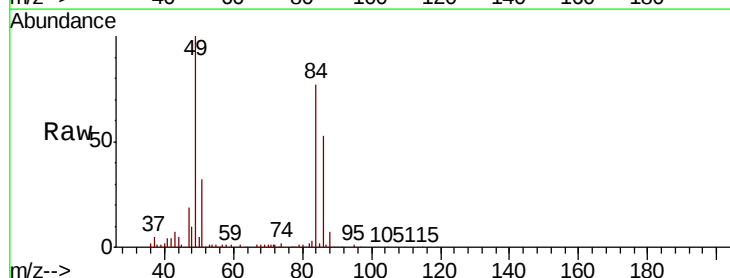
Instrument :
MSVOA_V
ClientSampleId :

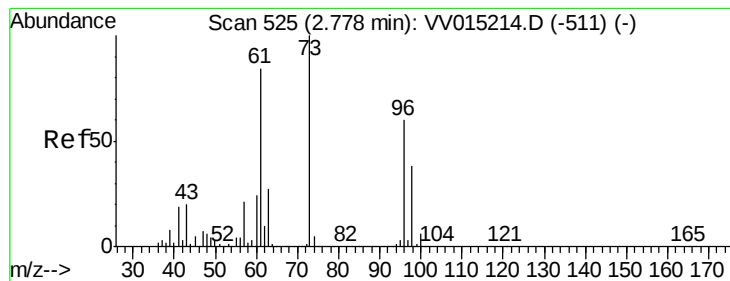
Tot Ion: 43 Resp: 41839
Ion Ratio Lower Upper
43 100
74 24.9 19.7 29.5



#16
Methylene chloride
Concen: 10.269 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV015213.D
Acq: 27 Mar 2020 19:12

Tgt Ion: 84 Resp: 44793
Ion Ratio Lower Upper
84 100
86 68.8 43.8 81.4
49 130.6 84.8 157.4





#17

trans-1,2-Dichloroethene

Concen: 9.808 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV015213.D

Acq: 27 Mar 2020 19:12

Instrument :

MSVOA_V

ClientSampled :

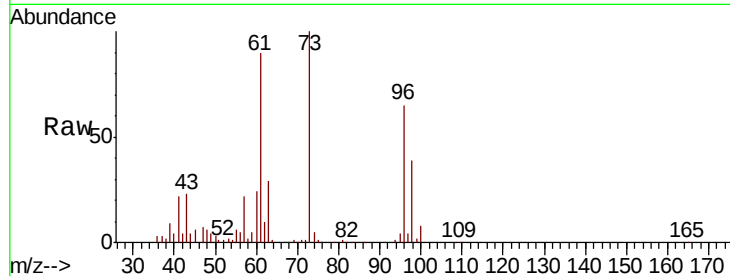
Tot Ion: 96 Resp: 39669

Ion Ratio Lower Upper

96 100

61 137.9 97.9 181.7

98 60.6 43.8 81.4

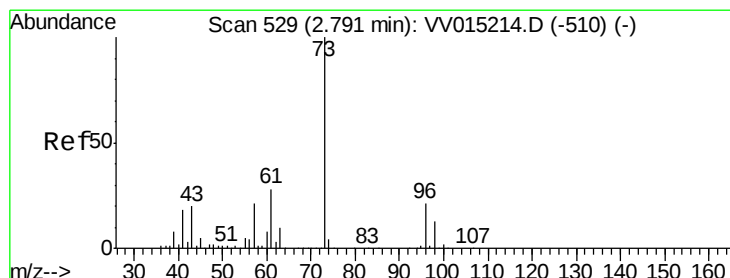
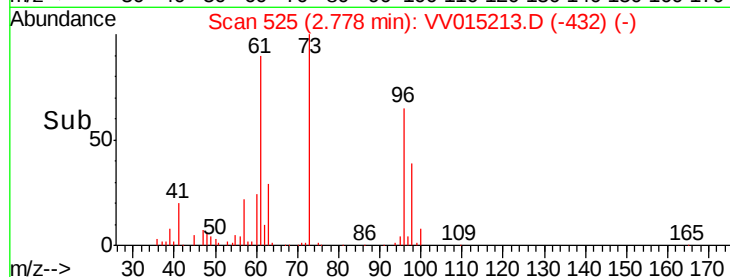
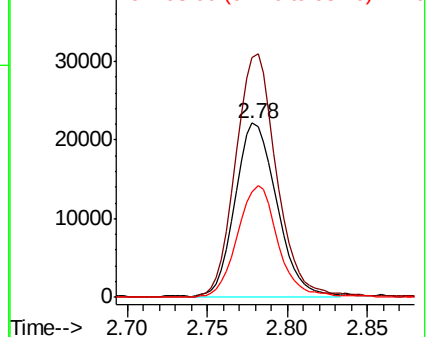


Abundance

Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 9.817 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV015213.D

Acq: 27 Mar 2020 19:12

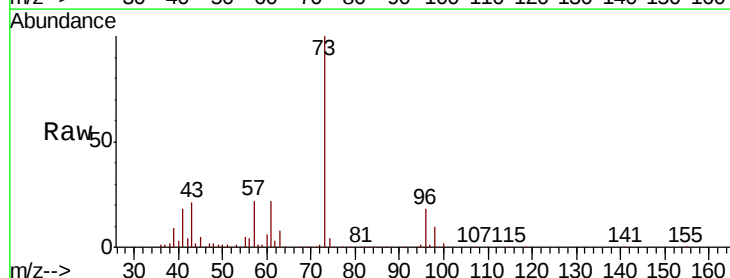
Tgt Ion: 73 Resp: 134141

Ion Ratio Lower Upper

73 100

43 20.8 15.5 23.3

57 22.2 16.7 25.1

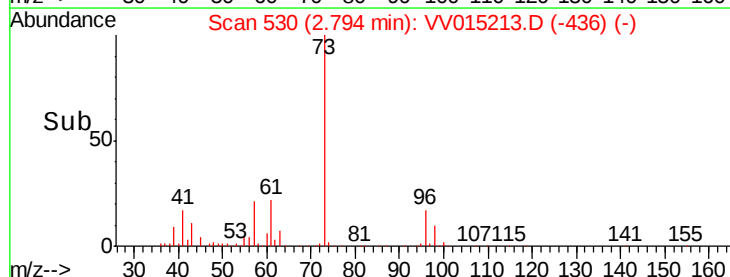
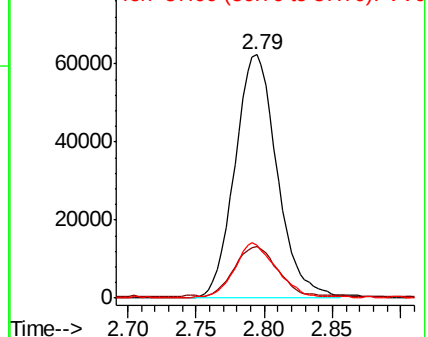


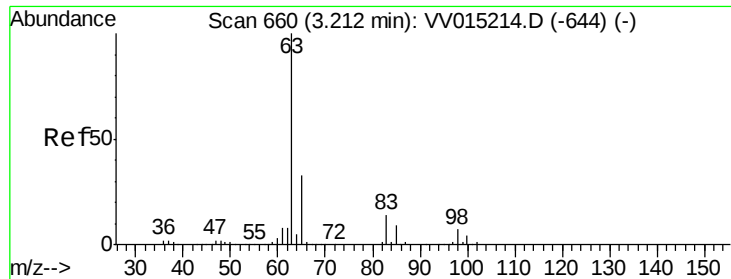
Abundance

Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

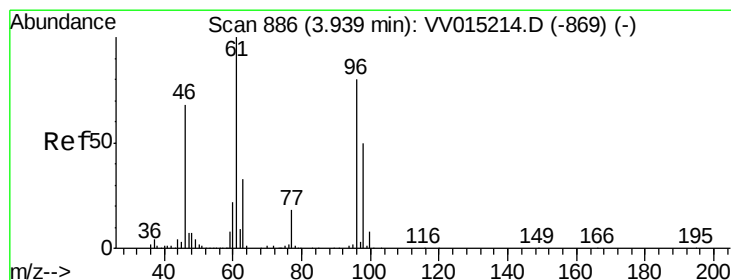
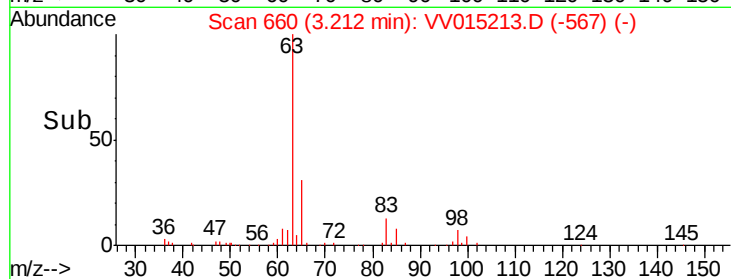
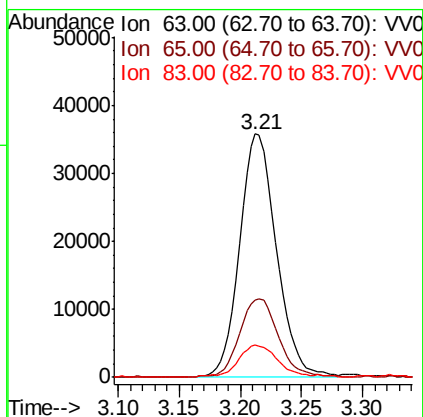
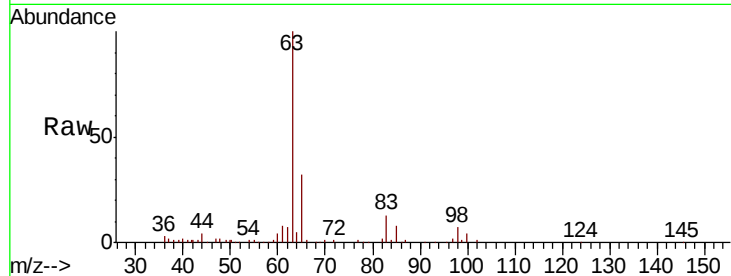




#19
 1,1-Dichloroethane
 Concen: 10.018 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. -0.00 min
 Lab File: VV015213.D
 Acq: 27 Mar 2020 19:12

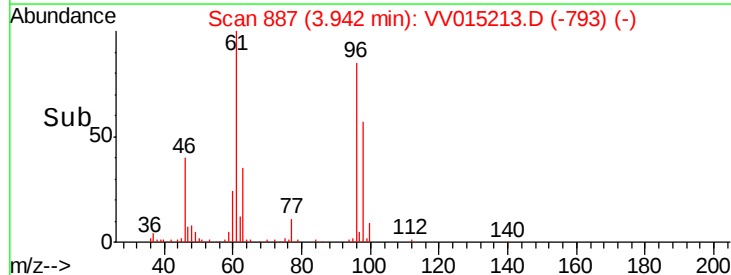
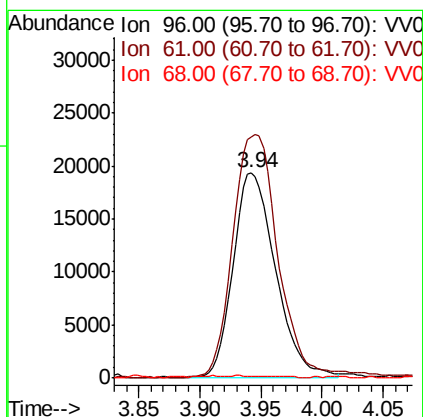
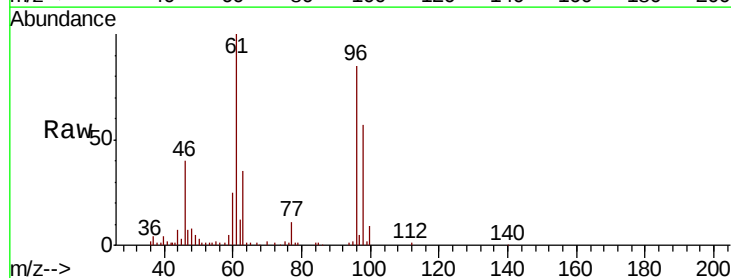
Instrument :
 MSVOA_V
 ClientSampleId :

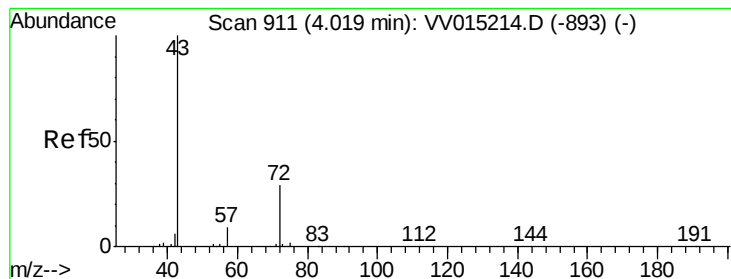
Tot Ion: 63 Resp: 74776
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.8 42.4
 83 13.2 9.7 17.9



#20
 cis-1,2-Dichloroethene
 Concen: 10.336 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.00 min
 Lab File: VV015213.D
 Acq: 27 Mar 2020 19:12

Tgt Ion: 96 Resp: 47009
 Ion Ratio Lower Upper
 96 100
 61 117.3 87.2 162.0
 68 0.6 0.1 0.3#





#22

2-Butanone

Concen: 13.560 ug/L

RT: 4.04 min Scan# 917

Delta R.T. 0.02 min

Lab File: VV015213.D

Acq: 27 Mar 2020 19:12

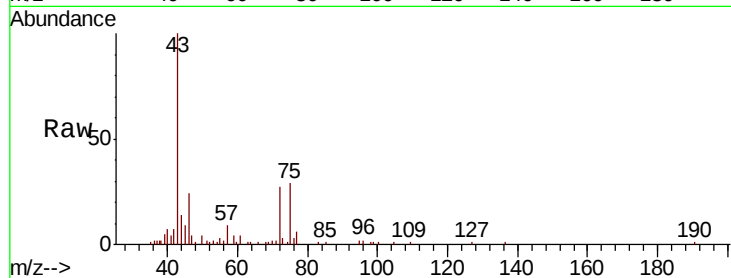
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 45191

Ion Ratio Lower Upper

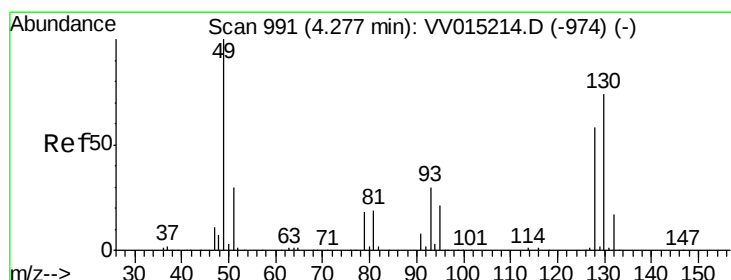
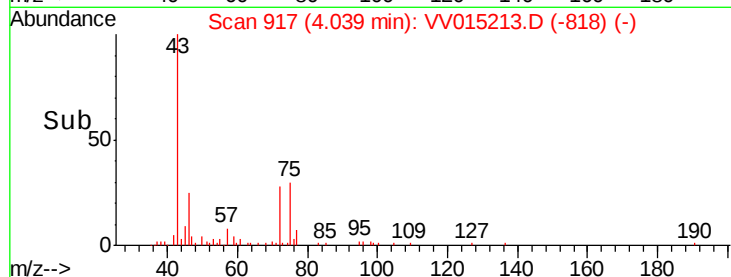
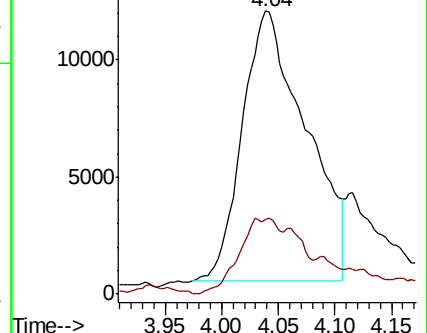
43 100

72 10.7 9.8 29.5



Abundance Ion 43.00 (42.70 to 43.70): VV015214.D (-893) (-)

Ion 72.00 (71.70 to 72.70): VV015214.D (-893) (-)



#23

Bromochloromethane

Concen: 10.216 ug/L

RT: 4.28 min Scan# 992

Delta R.T. 0.00 min

Lab File: VV015213.D

Acq: 27 Mar 2020 19:12

Tgt Ion:128 Resp: 22328

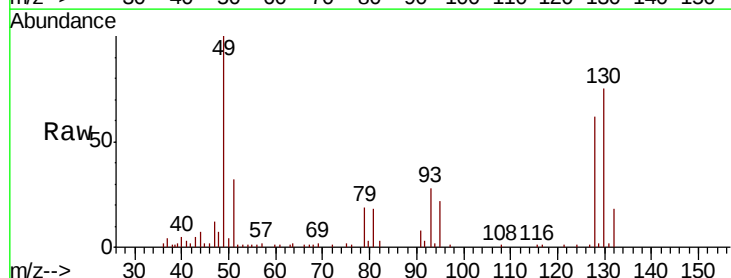
Ion Ratio Lower Upper

128 100

49 161.6 120.6 224.0

130 121.1 89.7 166.5

51 51.4 41.7 62.5

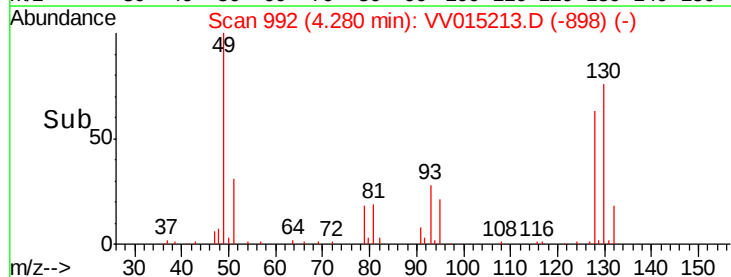
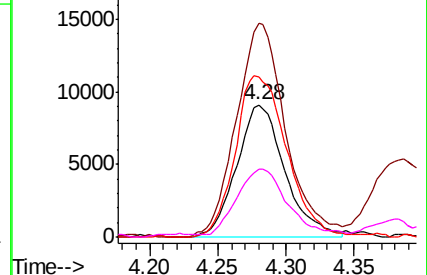


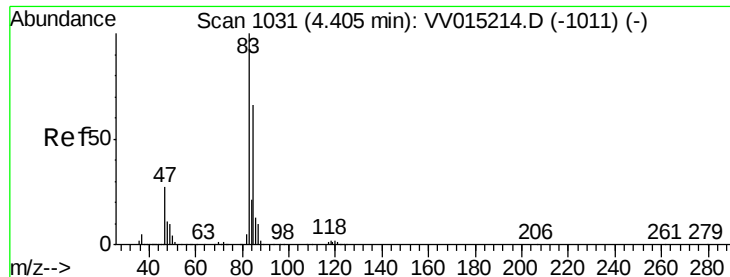
Abundance Ion 128.00 (127.70 to 128.70): VV015214.D (-974) (-)

Ion 49.00 (48.70 to 49.70): VV015214.D (-974) (-)

Ion 130.00 (129.70 to 130.70): VV015214.D (-974) (-)

Ion 51.00 (50.70 to 51.70): VV015214.D (-974) (-)

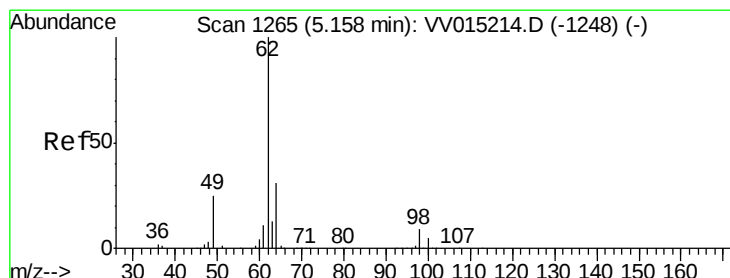
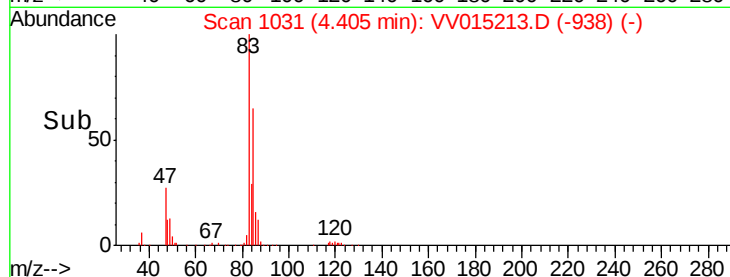
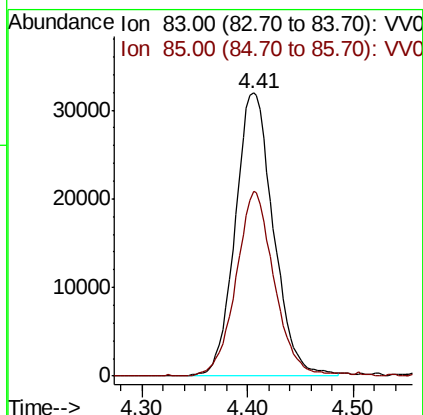
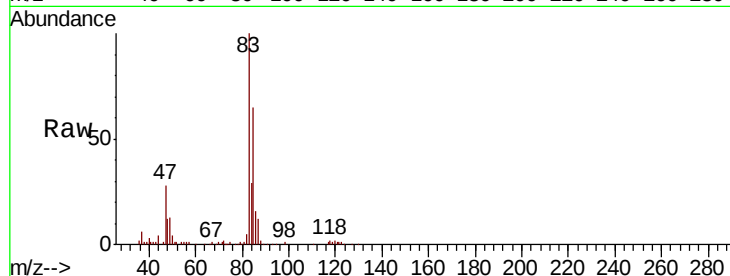




#25
Chloroform
Concen: 10.408 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VV015213.D
Acq: 27 Mar 2020 19:12

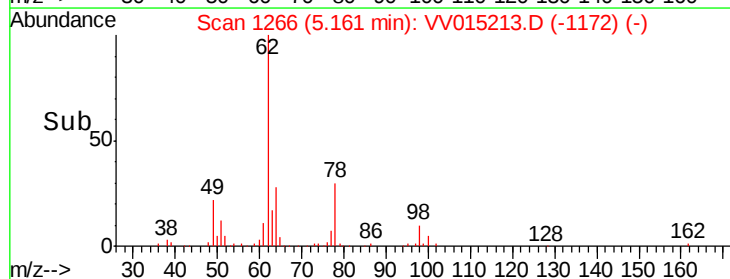
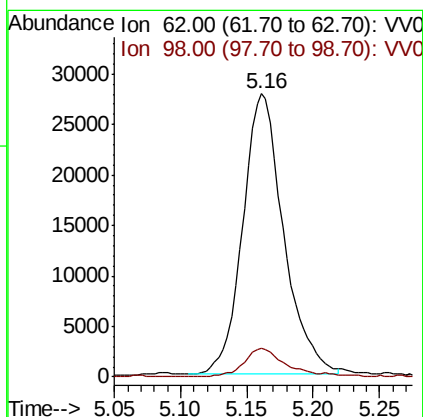
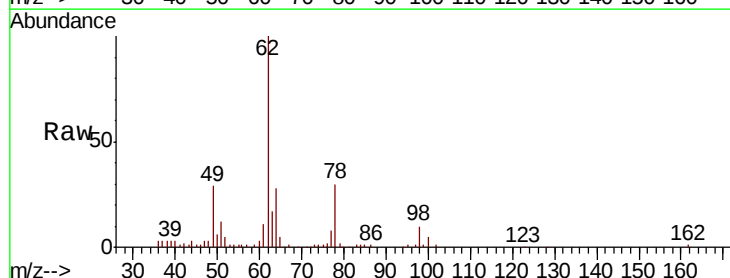
Instrument :
MSVOA_V
ClientSampleId :

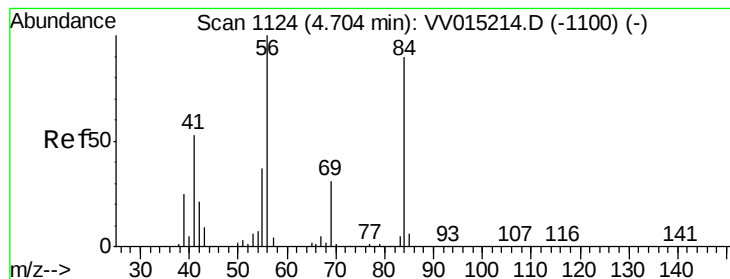
Tot Ion: 83 Resp: 80363
Ion Ratio Lower Upper
83 100
85 65.2 46.2 85.8



#27
1,2-Dichloroethane
Concen: 9.694 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VV015213.D
Acq: 27 Mar 2020 19:12

Tgt Ion: 62 Resp: 59422
Ion Ratio Lower Upper
62 100
98 10.1 7.4 11.0





#29

Cyclohexane

Concen: 9.363 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. -0.00 min

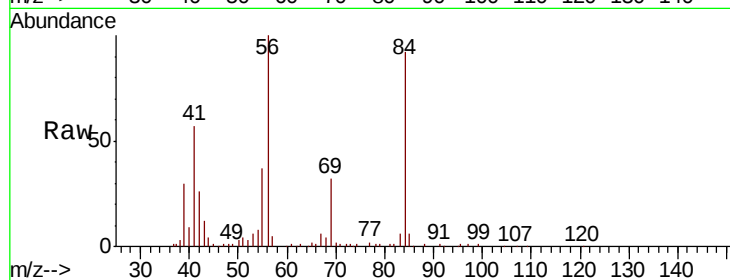
Lab File: VV015213.D

Acq: 27 Mar 2020 19:12

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 56 Resp: 62983

Ion	Ratio	Lower	Upper
56	100		
69	31.0	25.8	38.6
84	88.4	72.5	108.7

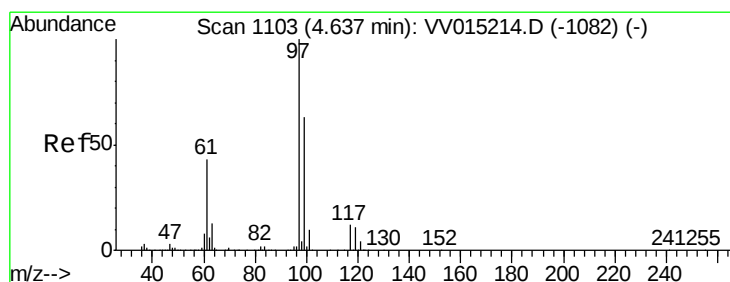
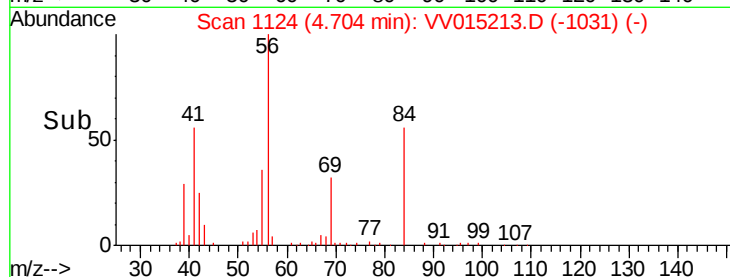
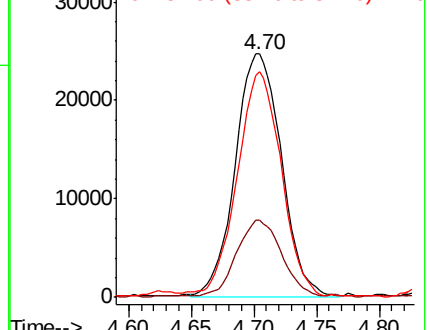


Abundance

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: 9.895 ug/L

RT: 4.64 min Scan# 1103

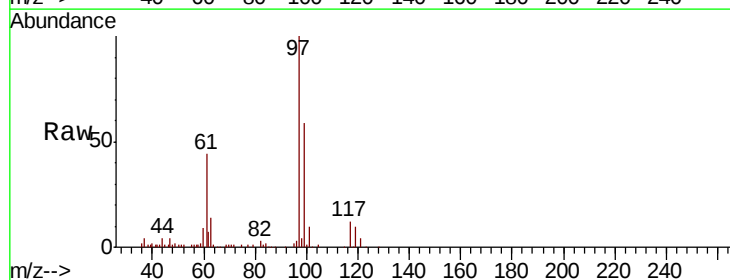
Delta R.T. -0.00 min

Lab File: VV015213.D

Acq: 27 Mar 2020 19:12

Tgt Ion: 97 Resp: 69054

Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.6	75.8
61	44.7	33.4	50.2

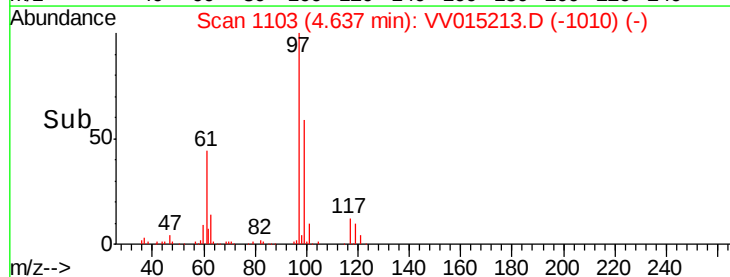
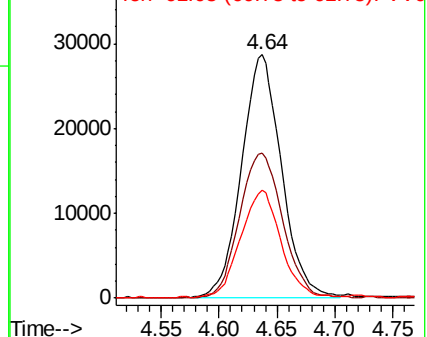


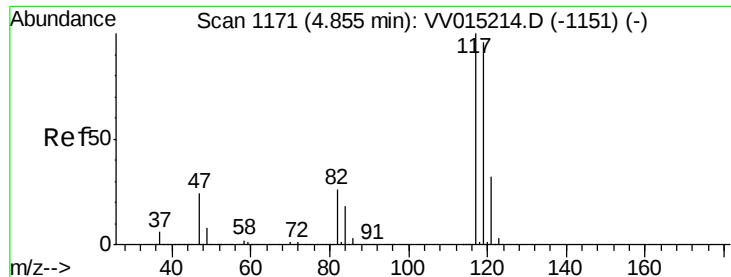
Abundance

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

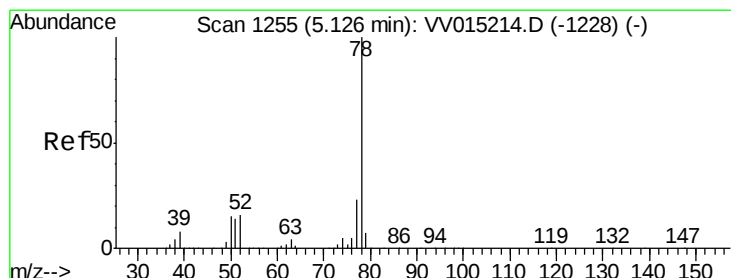
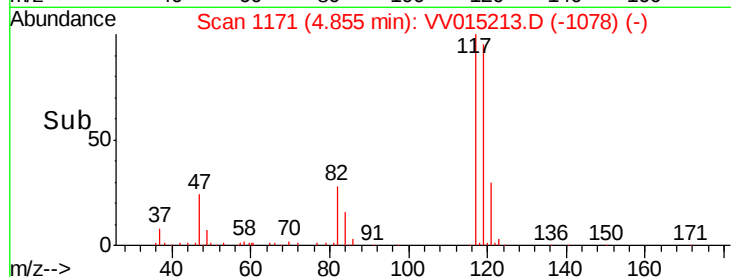
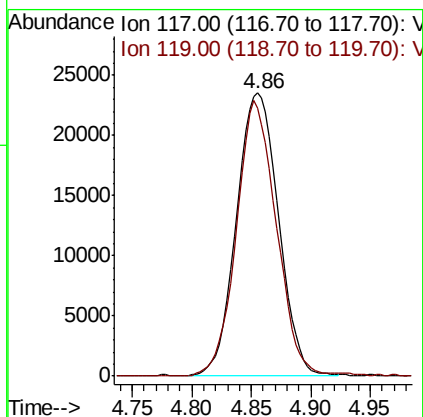
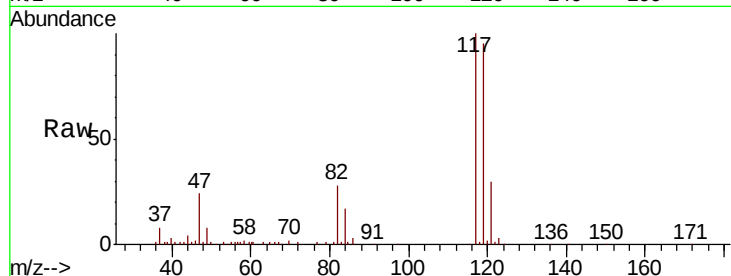




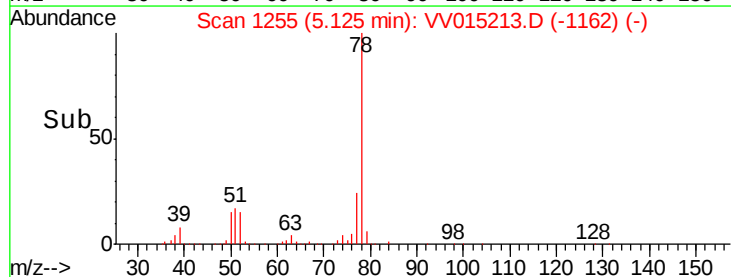
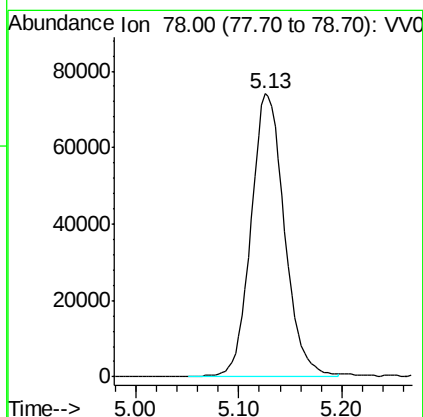
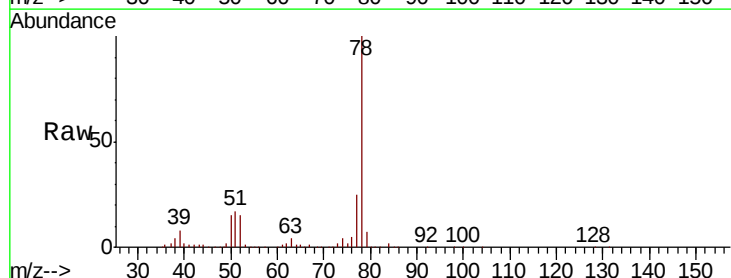
#31
Carbon tetrachloride
Concen: 9.832 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VV015213.D
Acq: 27 Mar 2020 19:12

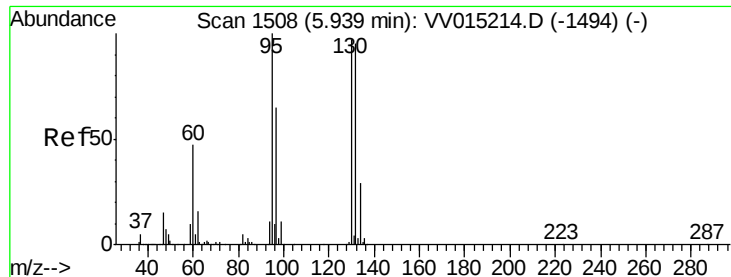
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 57748
Ion Ratio Lower Upper
117 100
119 91.8 76.0 114.0



#33
Benzene
Concen: 10.095 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VV015213.D
Acq: 27 Mar 2020 19:12
Tgt Ion: 78 Resp: 165857

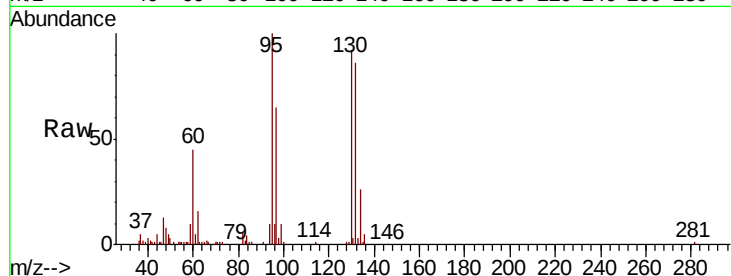




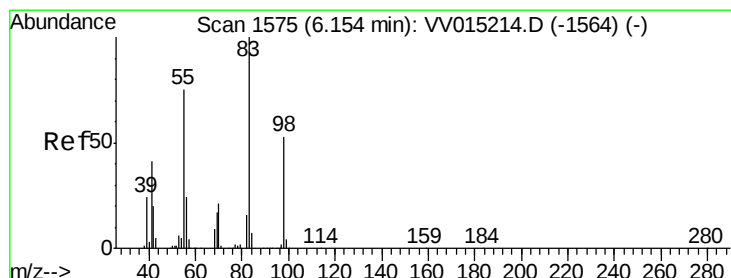
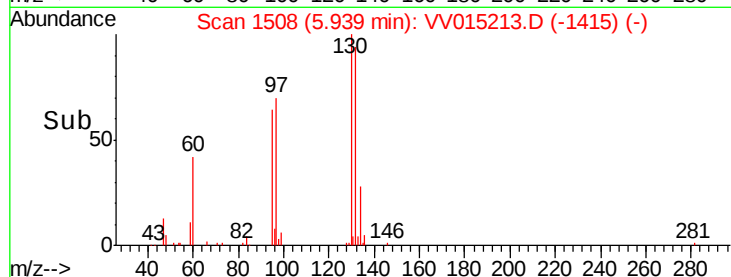
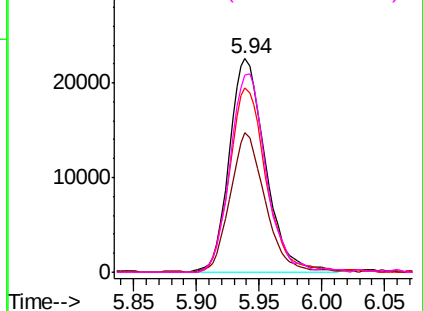
#34
 Trichloroethene
 Concen: 10.573 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. -0.00 min
 Lab File: VV015213.D
 Acq: 27 Mar 2020 19:12

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 45203
 Ion Ratio Lower Upper
 95 100
 97 65.2 45.7 84.9
 132 86.2 66.2 123.0
 130 92.2 67.6 125.6

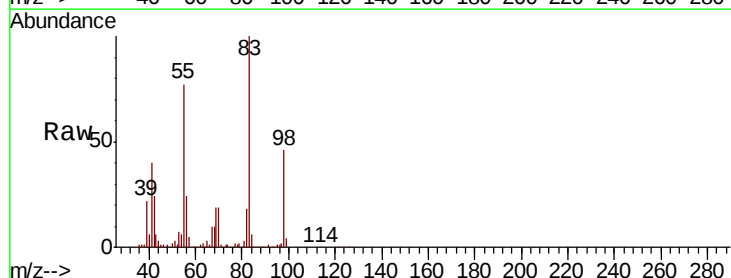


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

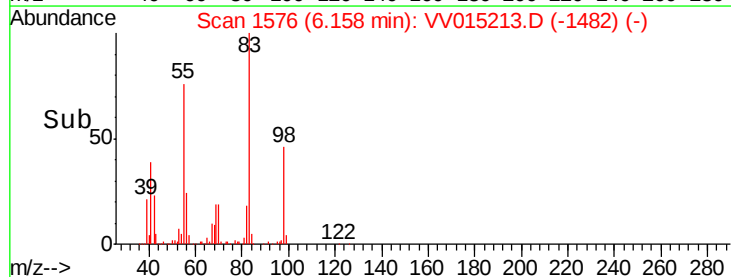
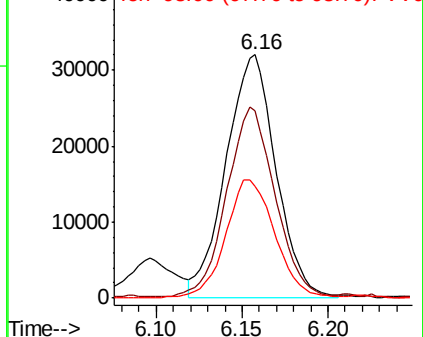


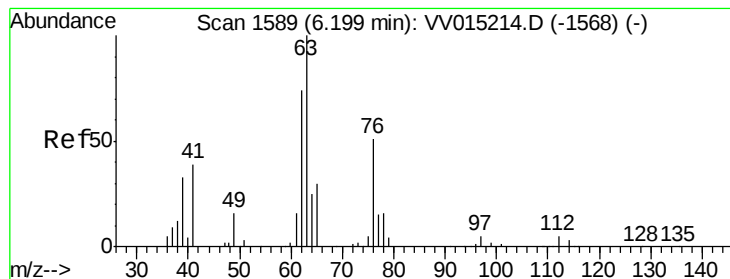
#35
 Methylcyclohexane
 Concen: 9.180 ug/L
 RT: 6.16 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VV015213.D
 Acq: 27 Mar 2020 19:12

Tgt Ion: 83 Resp: 64832
 Ion Ratio Lower Upper
 83 100
 55 74.4 58.2 87.2
 98 47.8 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: 9.542 ug/L

RT: 6.20 min Scan# 1589

Delta R.T. -0.00 min

Lab File: VV015213.D

Acq: 27 Mar 2020 19:12

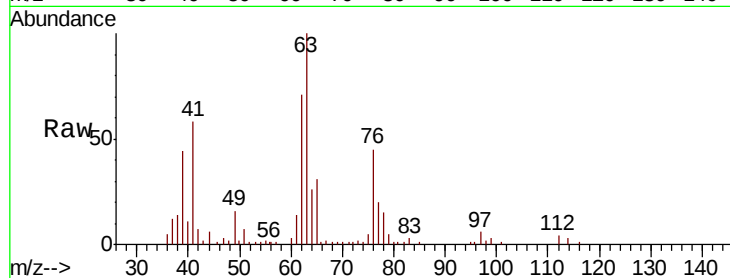
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 63 Resp: 40003

Ion Ratio Lower Upper

63 100

112 4.0 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) (-)

20000

15000

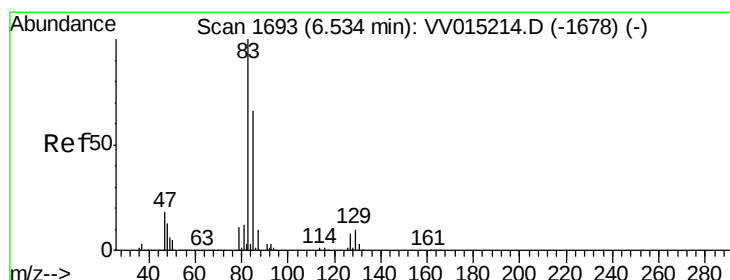
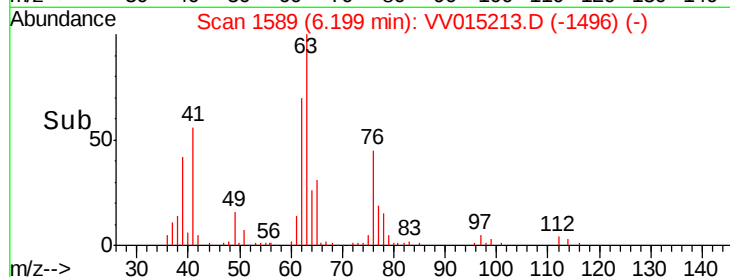
10000

5000

0

6.10 6.15 6.20 6.25

Time-->



#38

Bromodichloromethane

Concen: 10.000 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. -0.00 min

Lab File: VV015213.D

Acq: 27 Mar 2020 19:12

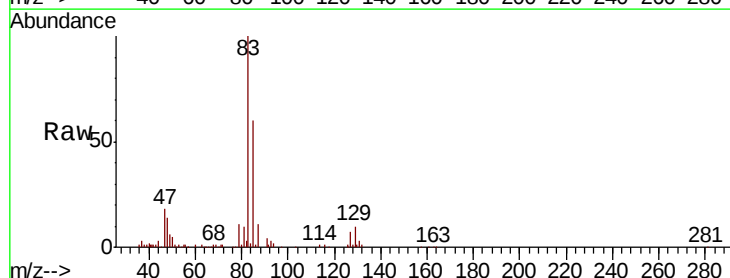
Tgt Ion: 83 Resp: 59572

Ion Ratio Lower Upper

83 100

85 60.1 46.3 85.9

127 7.5 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) (-)

40000

30000

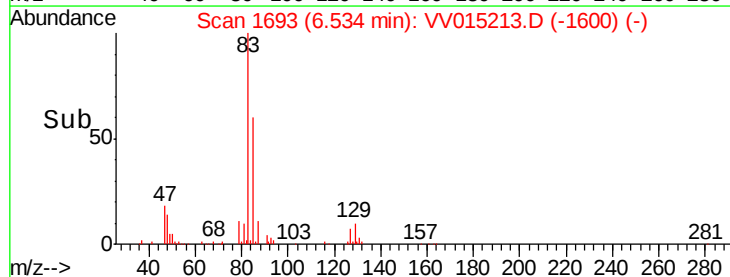
20000

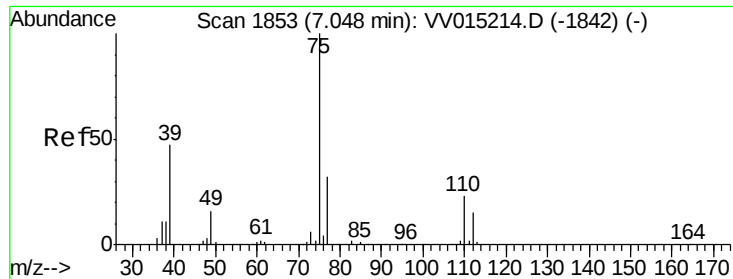
10000

0

6.45 6.50 6.55 6.60

Time-->

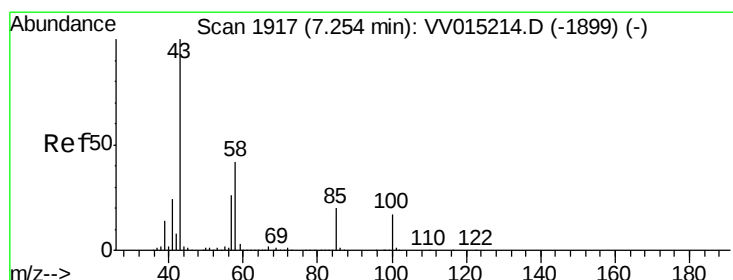
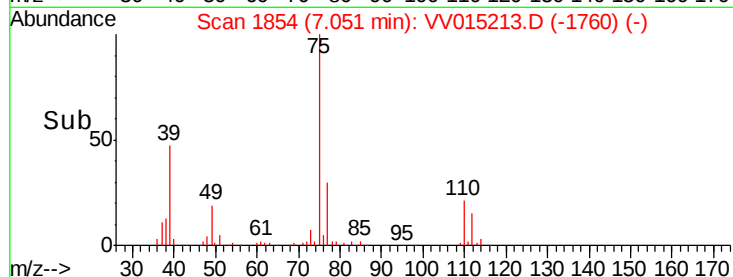
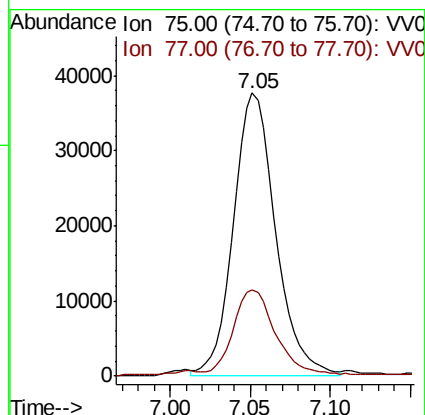
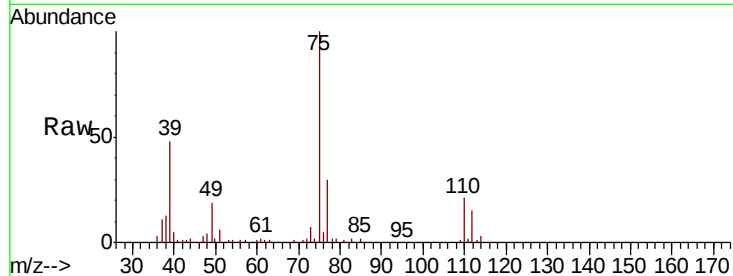




#39
 cis-1,3-Dichloropropene
 Concen: 9.784 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV015213.D
 Acq: 27 Mar 2020 19:12

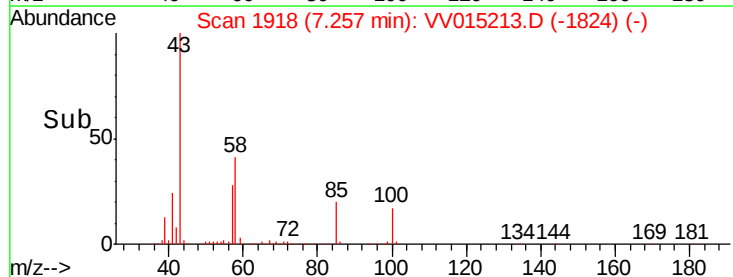
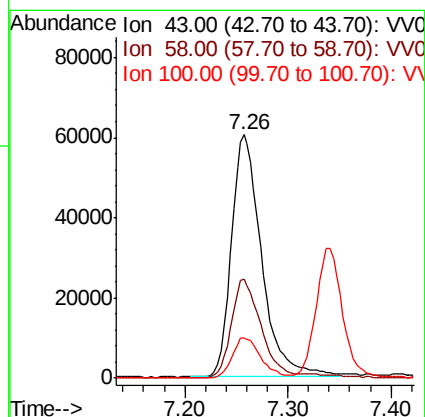
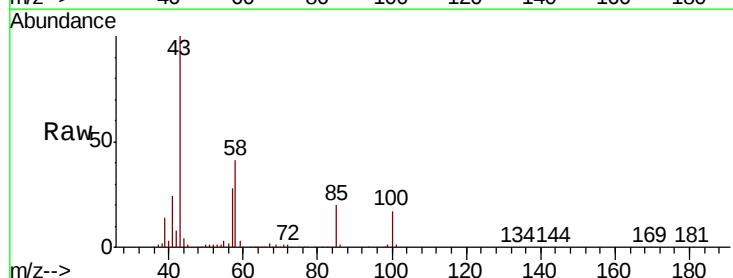
Instrument :
 MSVOA_V
 ClientSampleId :

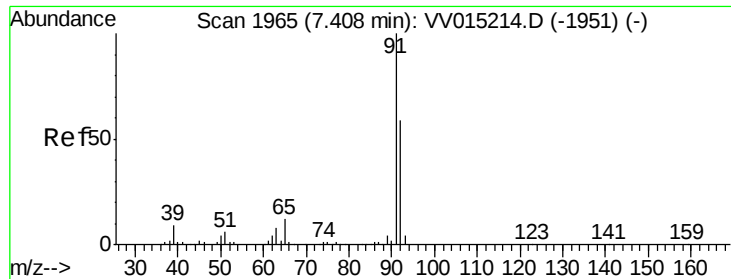
Tot Ion: 75 Resp: 67956
 Ion Ratio Lower Upper
 75 100
 77 30.3 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 19.695 ug/L
 RT: 7.26 min Scan# 1918
 Delta R.T. 0.00 min
 Lab File: VV015213.D
 Acq: 27 Mar 2020 19:12

Tgt Ion: 43 Resp: 123672
 Ion Ratio Lower Upper
 43 100
 58 40.2 32.5 48.7
 100 15.8 13.4 20.0





#42

Toluene

Concen: 9.607 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV015213.D

Acq: 27 Mar 2020 19:12

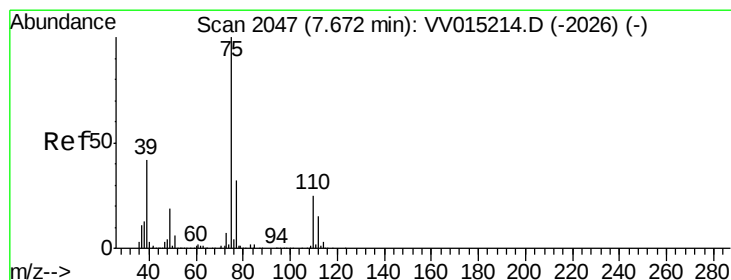
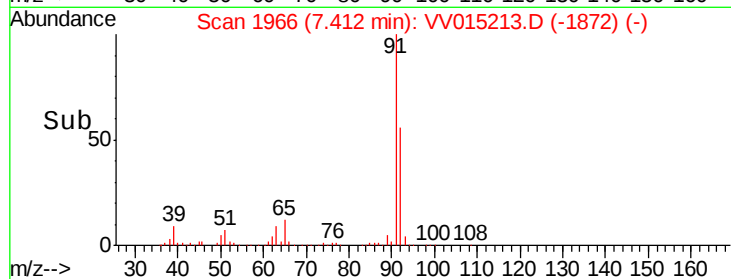
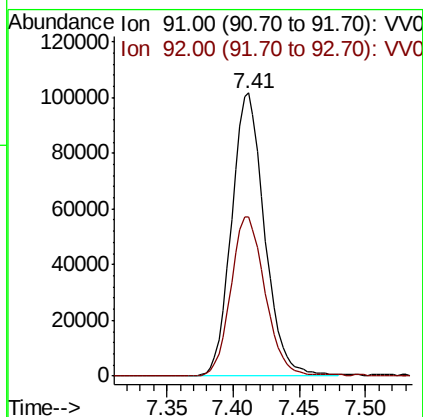
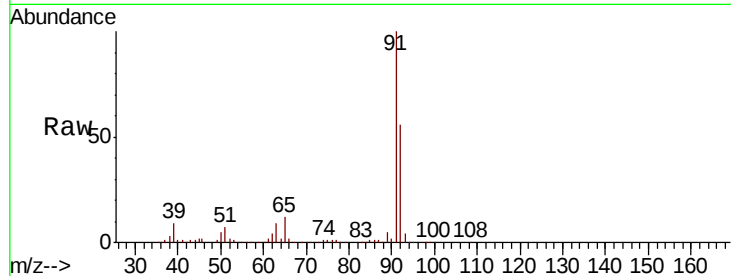
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 175838

Ion Ratio Lower Upper

91 100

92 56.1 41.0 76.2



#44

trans-1,3-Dichloropropene

Concen: 9.460 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.00 min

Lab File: VV015213.D

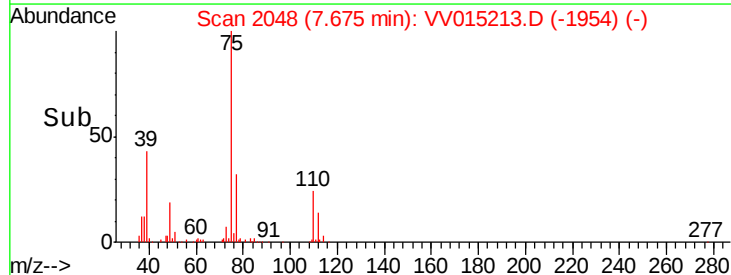
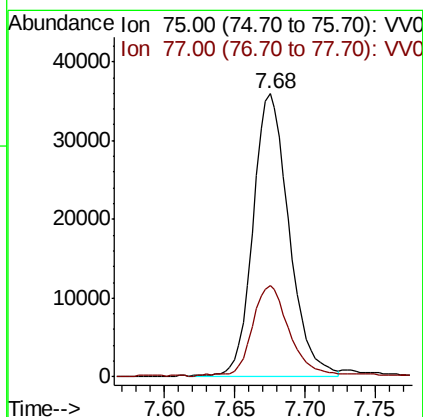
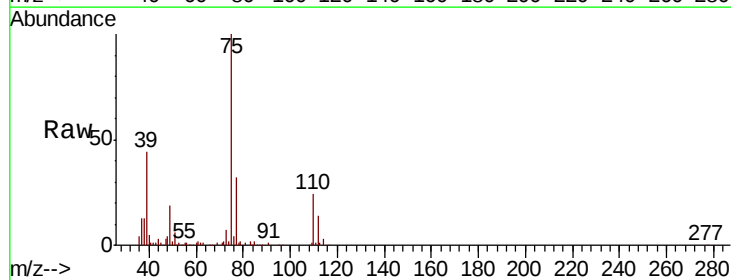
Acq: 27 Mar 2020 19:12

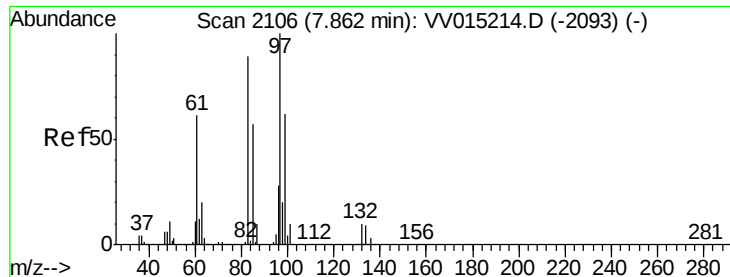
Tgt Ion: 75 Resp: 64464

Ion Ratio Lower Upper

75 100

77 32.1 22.3 41.5

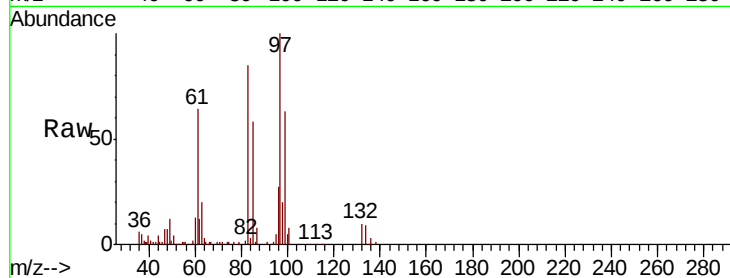




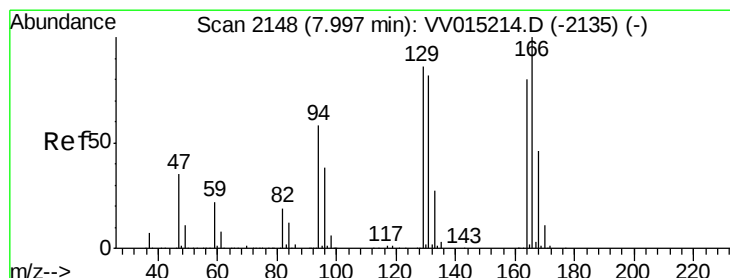
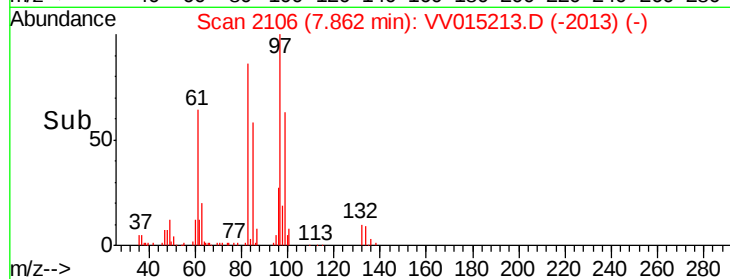
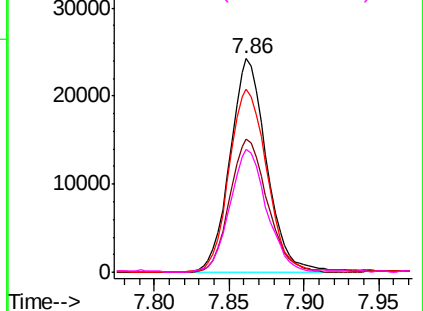
#45
 1,1,2-Trichloroethane
 Concen: 10.026 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. -0.00 min
 Lab File: VV015213.D
 Acq: 27 Mar 2020 19:12

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	41394
Ion	Ratio	Lower	Upper
97	100		
99	62.6	43.3	80.3
83	85.4	62.1	115.3
85	57.6	40.0	74.2



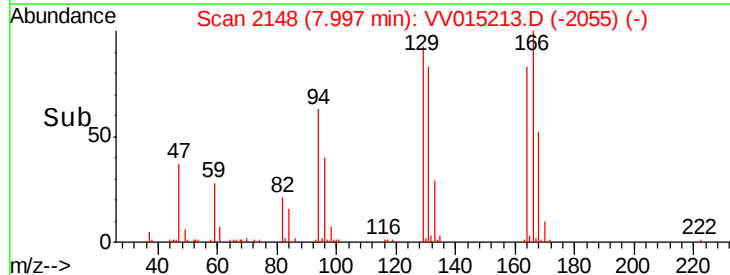
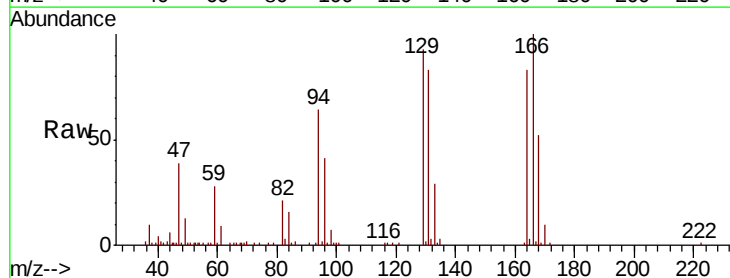
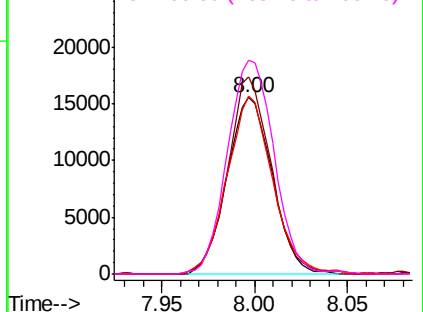
Abundance Ion 97.00 (96.70 to 97.70): VV015213.D (-2013) (-)
 Ion 99.00 (98.70 to 99.70): VV015213.D (-2013) (-)
 Ion 83.00 (82.70 to 83.70): VV015213.D (-2013) (-)
 Ion 85.00 (84.70 to 85.70): VV015213.D (-2013) (-)

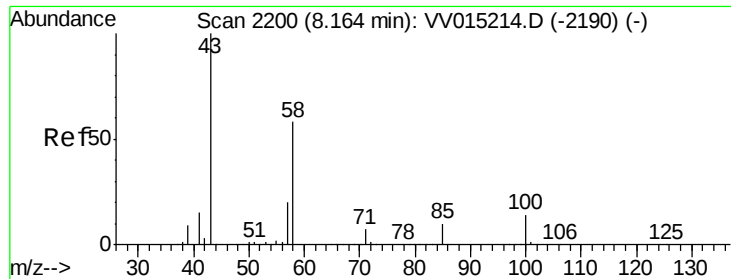


#46
 Tetrachloroethene
 Concen: 9.166 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV015213.D
 Acq: 27 Mar 2020 19:12

Tgt Ion:	164	Resp:	26278
Ion	Ratio	Lower	Upper
164	100		
129	112.1	75.3	139.9
131	100.9	71.8	133.4
166	121.2	87.9	163.3

Abundance Ion 164.00 (163.70 to 164.70): VV015213.D (-2055) (-)
 Ion 129.00 (128.70 to 129.70): VV015213.D (-2055) (-)
 Ion 131.00 (130.70 to 131.70): VV015213.D (-2055) (-)
 Ion 166.00 (165.70 to 166.70): VV015213.D (-2055) (-)

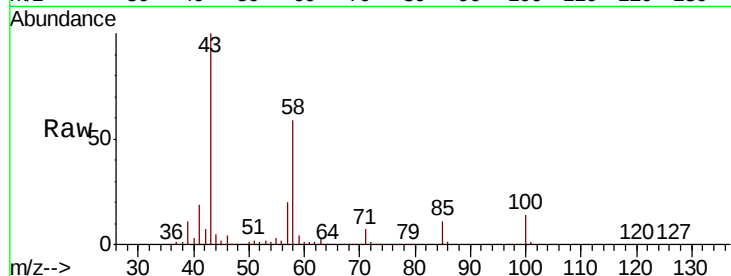




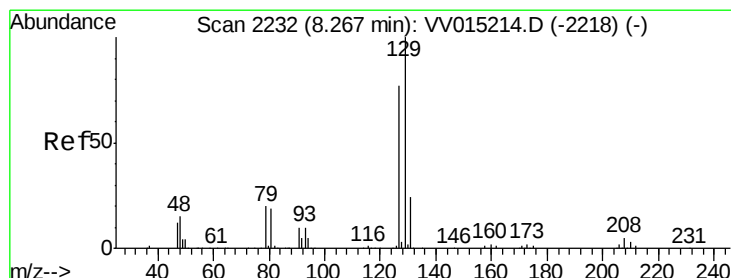
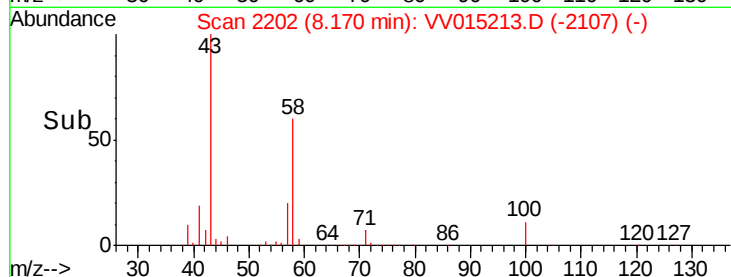
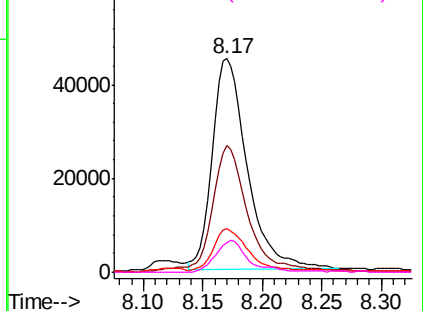
#48
2-Hexanone
Concen: 18.640 ug/L
RT: 8.17 min Scan# 2202
Delta R.T. 0.01 min
Lab File: VV015213.D
Acq: 27 Mar 2020 19:12

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 92081
Ion Ratio Lower Upper
43 100
58 61.7 45.5 68.3
57 19.8 15.8 23.6
100 13.9 10.9 16.3

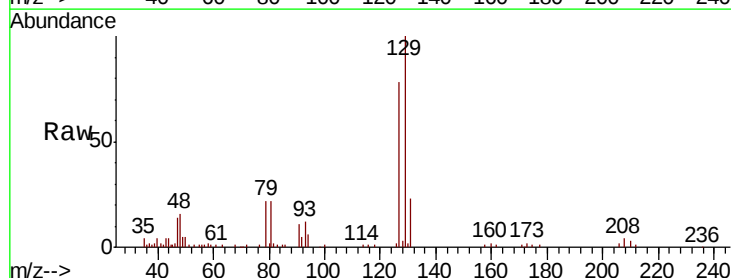


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

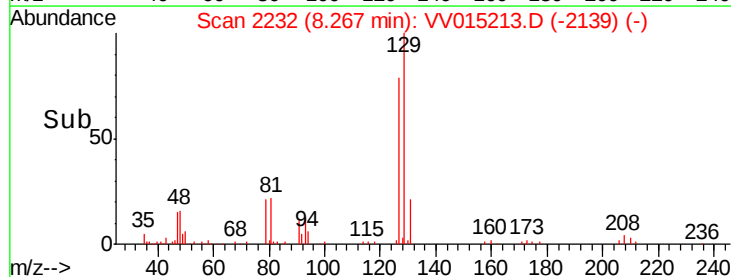
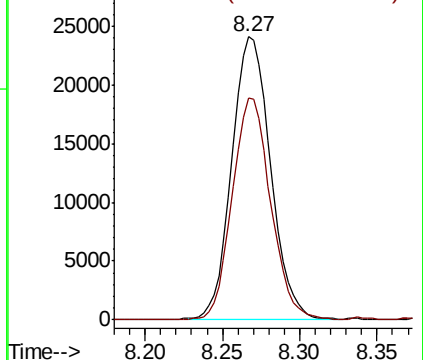


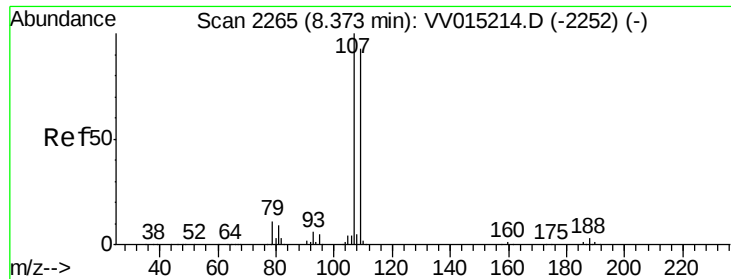
#49
Dibromochloromethane
Concen: 9.289 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV015213.D
Acq: 27 Mar 2020 19:12

Tgt Ion: 129 Resp: 42100
Ion Ratio Lower Upper
129 100
127 78.2 54.0 100.2



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

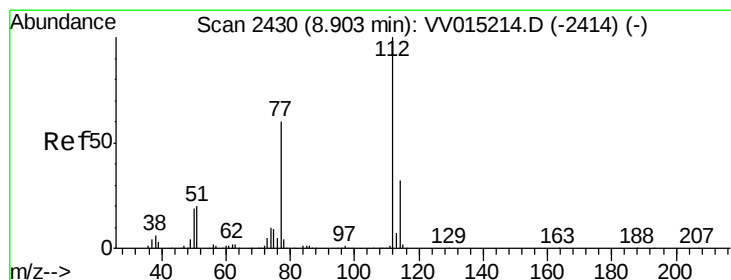
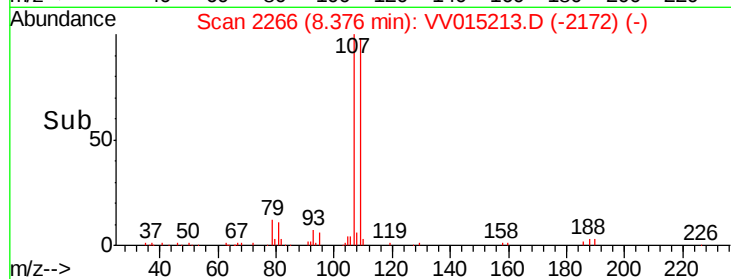
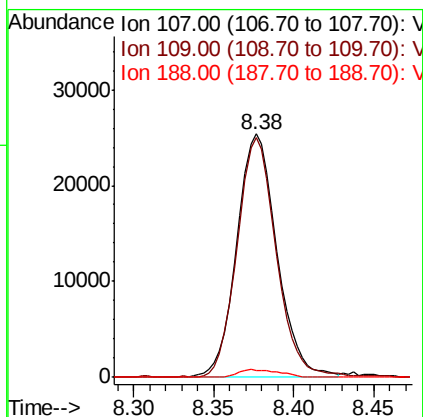
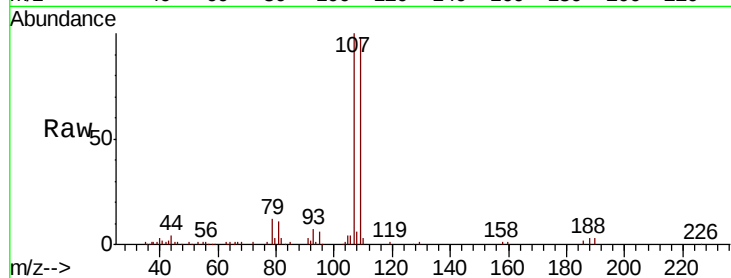




#50
 1,2-Dibromoethane
 Concen: 9.735 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. 0.00 min
 Lab File: VV015213.D
 Acq: 27 Mar 2020 19:12

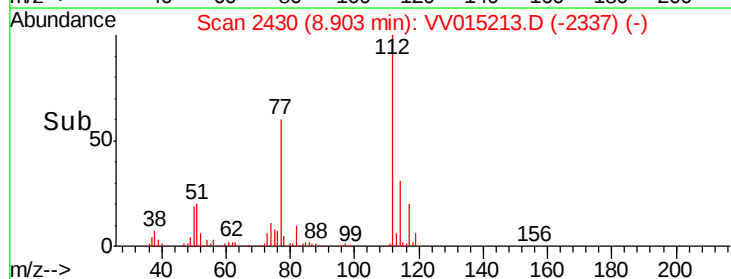
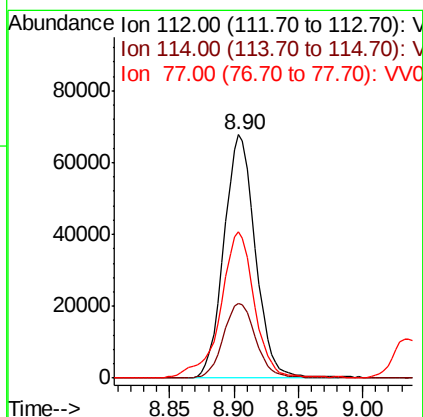
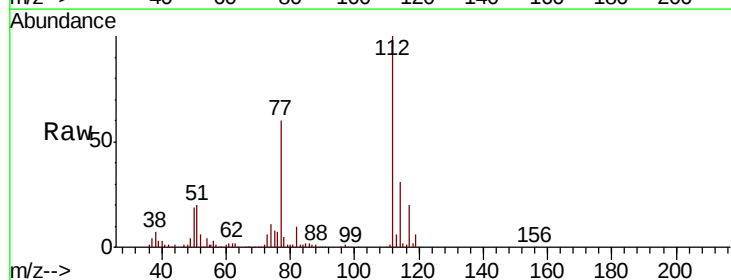
Instrument :
 MSVOA_V
 ClientSampleId :

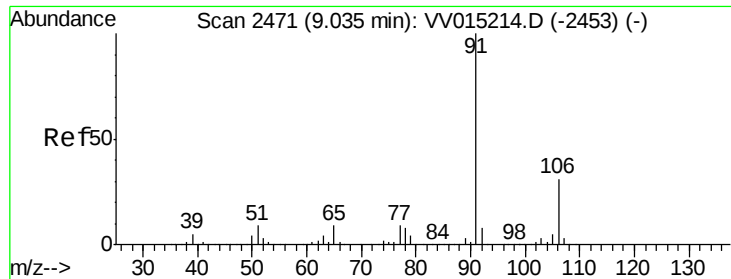
Tot Ion:107 Resp: 43530
 Ion Ratio Lower Upper
 107 100
 109 98.5 65.1 120.9
 188 3.0 2.3 3.5



#51
 Chlorobenzene
 Concen: 9.793 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VV015213.D
 Acq: 27 Mar 2020 19:12

Tgt Ion:112 Resp: 114570
 Ion Ratio Lower Upper
 112 100
 114 30.9 22.3 41.5
 77 60.3 48.2 72.2

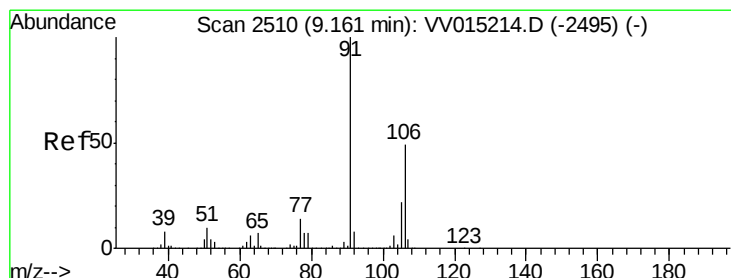
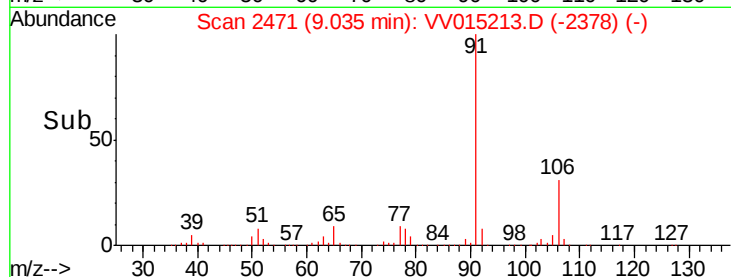
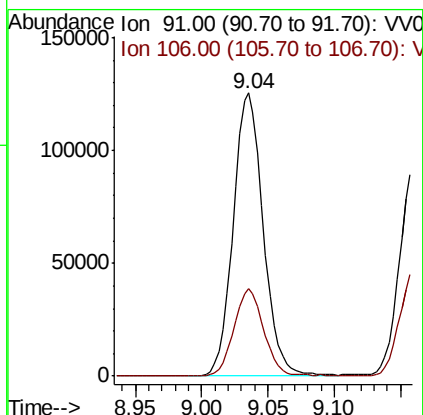
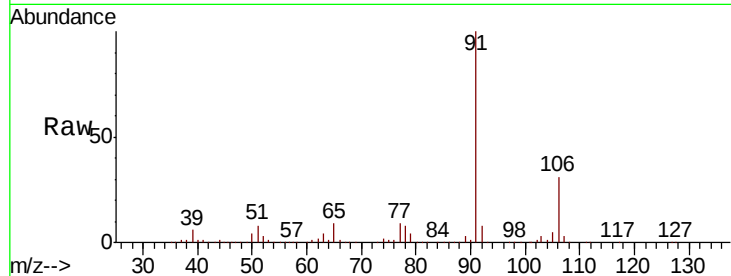




#52
Ethylbenzene
Concen: 9.539 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VV015213.D
Acq: 27 Mar 2020 19:12

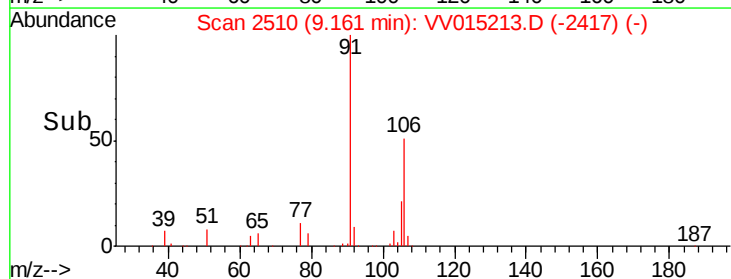
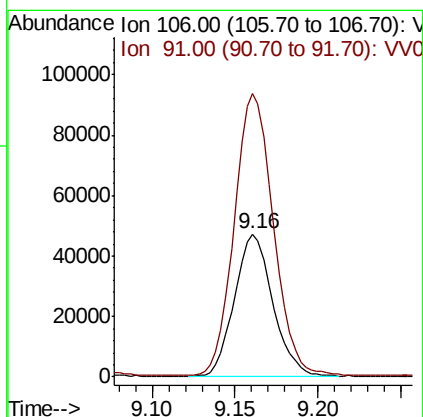
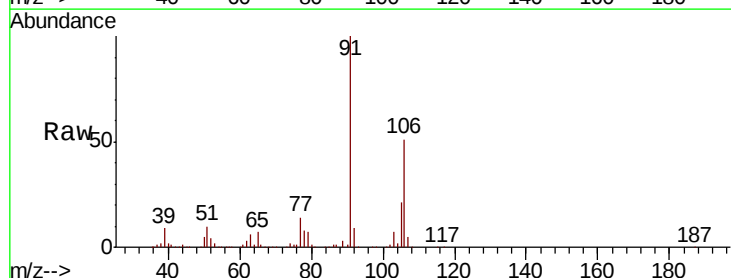
Instrument :
MSVOA_V
ClientSampleId :

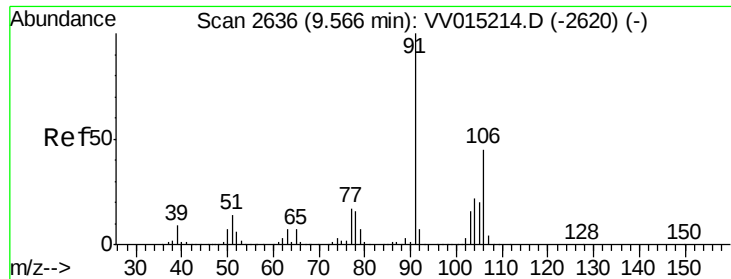
Tot Ion: 91 Resp: 196764
Ion Ratio Lower Upper
91 100
106 30.7 21.9 40.7



#53
m,p-Xylene
Concen: 9.616 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. -0.00 min
Lab File: VV015213.D
Acq: 27 Mar 2020 19:12

Tgt Ion: 106 Resp: 75582
Ion Ratio Lower Upper
106 100
91 197.9 142.1 263.9





#54

o-xylene

Concen: 9.685 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. -0.00 min

Lab File: VV015213.D

Acq: 27 Mar 2020 19:12

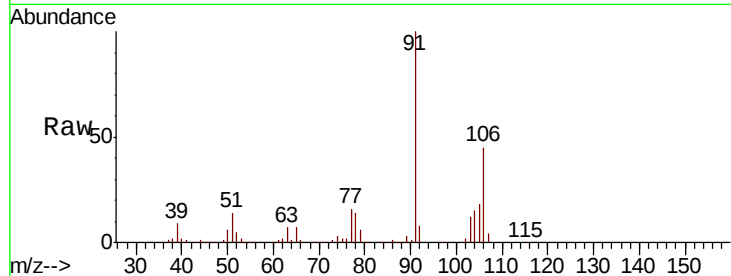
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 76577

Ion Ratio Lower Upper

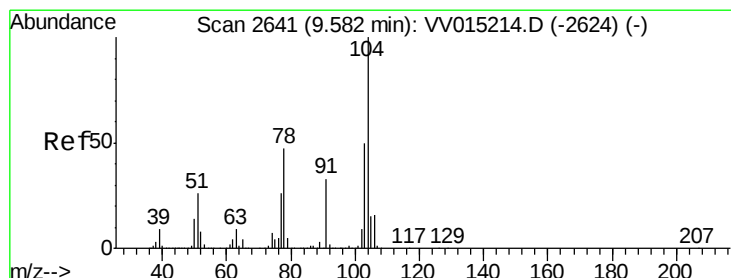
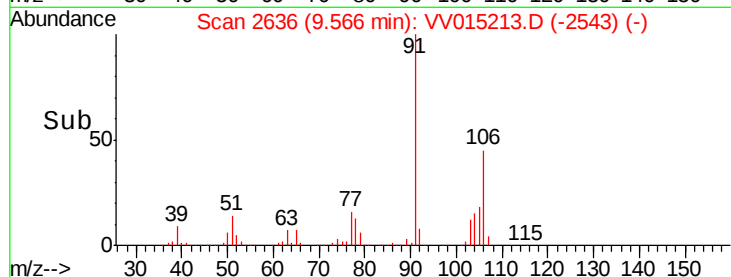
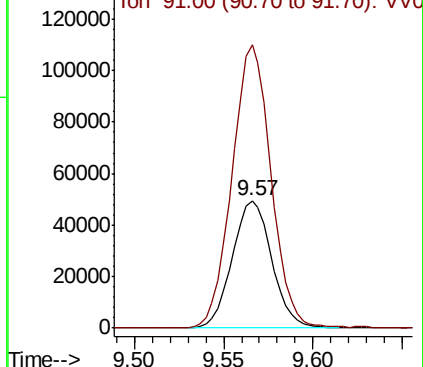
106 100

91 221.8 155.5 288.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 9.277 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV015213.D

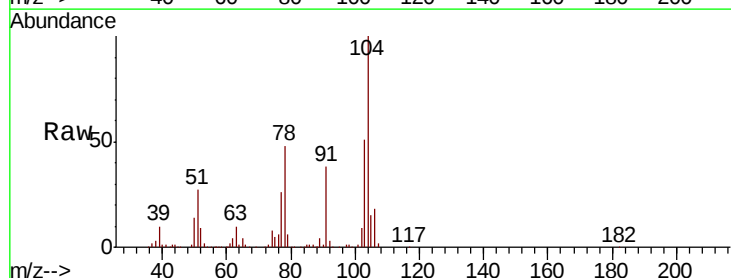
Acq: 27 Mar 2020 19:12

Tgt Ion:104 Resp: 123907

Ion Ratio Lower Upper

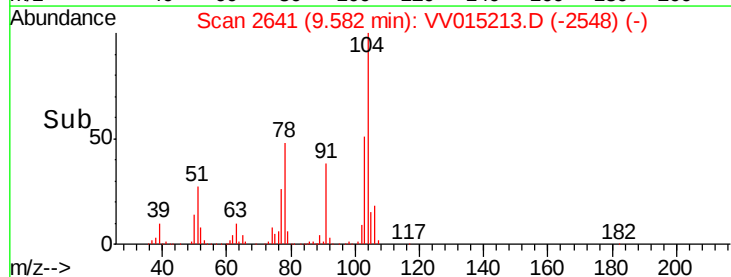
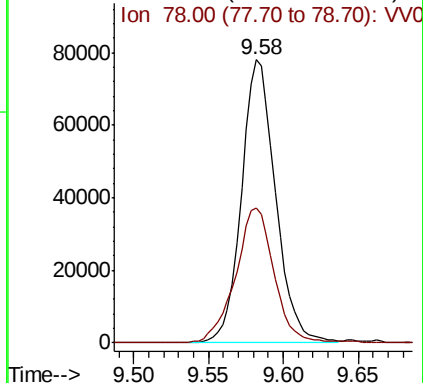
104 100

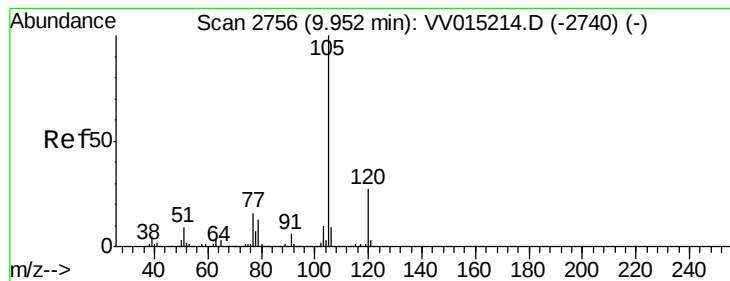
78 47.6 33.0 61.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 9.332 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV015213.D

Acq: 27 Mar 2020 19:12

Instrument :

MSVOA_V

ClientSampleId :

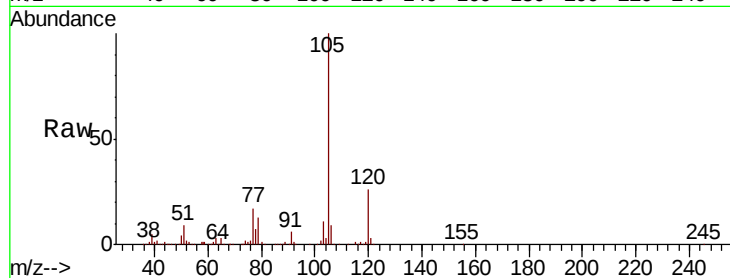
Tot Ion:105 Resp: 189373

Ion Ratio Lower Upper

105 100

120 25.2 21.4 32.0

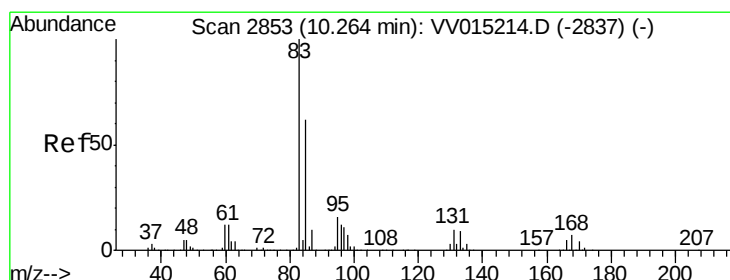
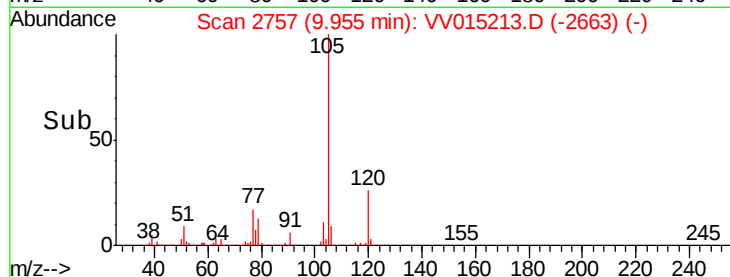
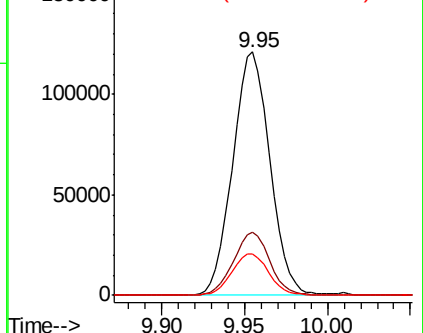
77 17.0 13.0 19.4



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: 9.661 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV015213.D

Acq: 27 Mar 2020 19:12

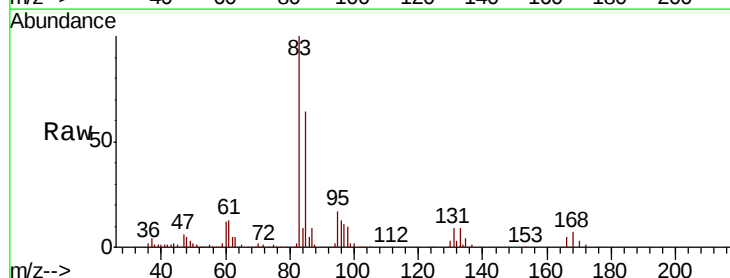
Tgt Ion: 83 Resp: 66843

Ion Ratio Lower Upper

83 100

85 64.1 43.6 81.0

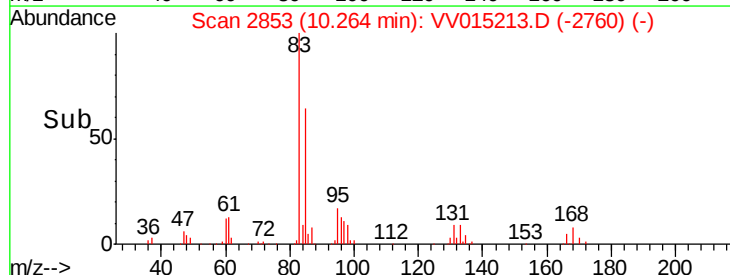
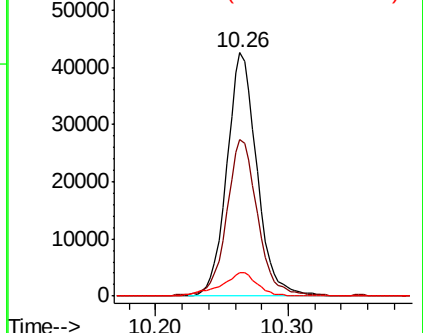
131 9.4 7.8 11.6

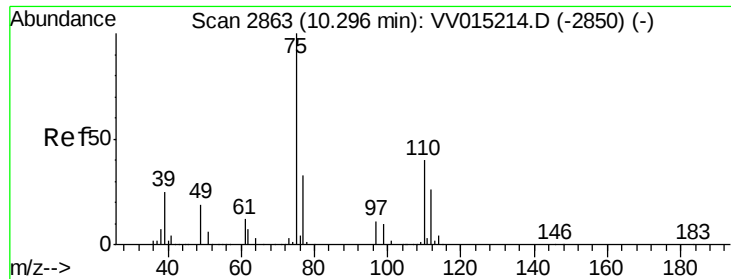


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 10.220 ug/L

RT: 10.30 min Scan# 2864

Delta R.T. 0.00 min

Lab File: VV015213.D

Acq: 27 Mar 2020 19:12

Instrument :

MSVOA_V

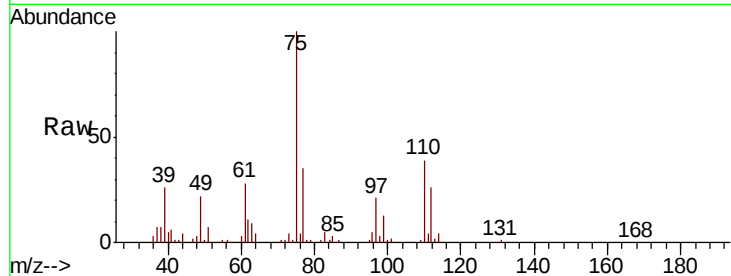
ClientSampleId :

Tot Ion: 75 Resp: 56734

Ion Ratio Lower Upper

75 100

77 32.5 26.0 39.0

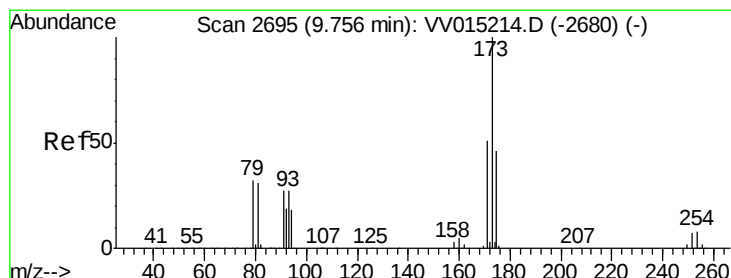
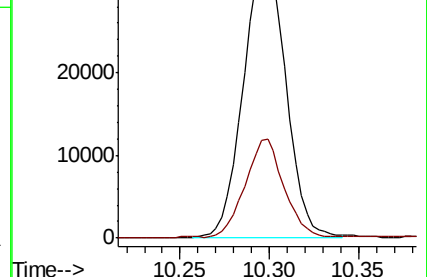
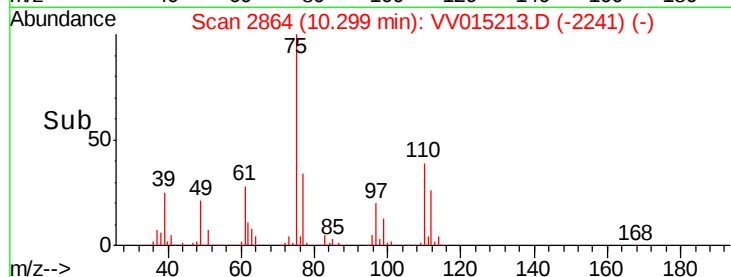


Abundance Ion 75.00 (74.70 to 75.70): VV015214.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV015214.D (-2850) (-)

10.30

Time-->



#61

Bromoform

Concen: 9.149 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. -0.00 min

Lab File: VV015213.D

Acq: 27 Mar 2020 19:12

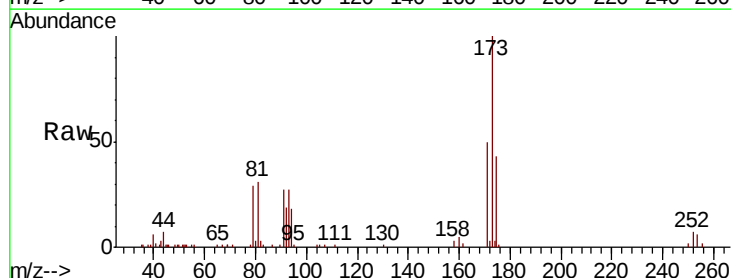
Tgt Ion: 173 Resp: 26121

Ion Ratio Lower Upper

173 100

175 46.0 37.6 56.4

254 2.6 5.5 8.3#



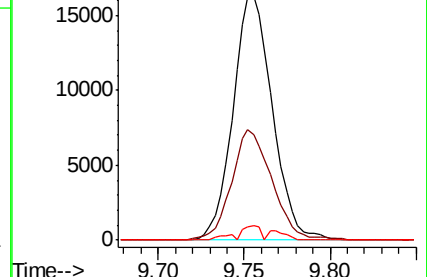
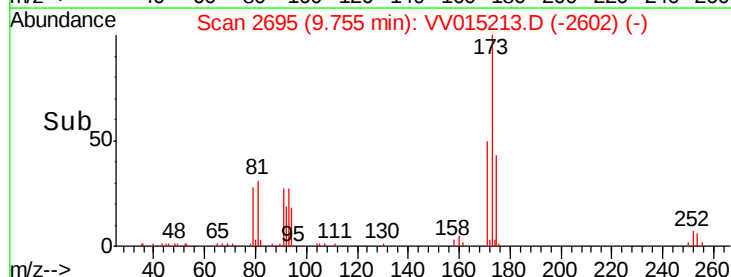
Abundance Ion 173.00 (172.70 to 173.70): VV015214.D (-2680) (-)

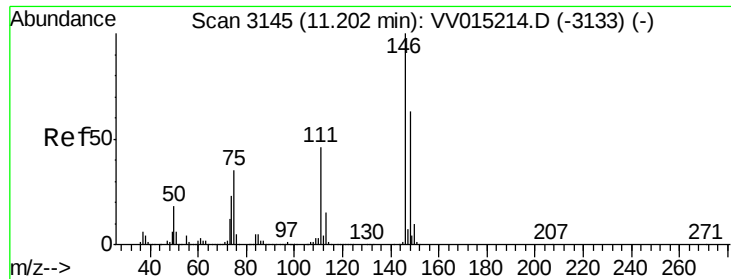
Ion 175.00 (174.70 to 175.70): VV015214.D (-2680) (-)

Ion 254.00 (253.70 to 254.70): VV015214.D (-2680) (-)

9.76

Time-->





#62

1,3-Dichlorobenzene

Concen: 9.368 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV015213.D

Acq: 27 Mar 2020 19:12

Instrument :

MSVOA_V

ClientSampleId :

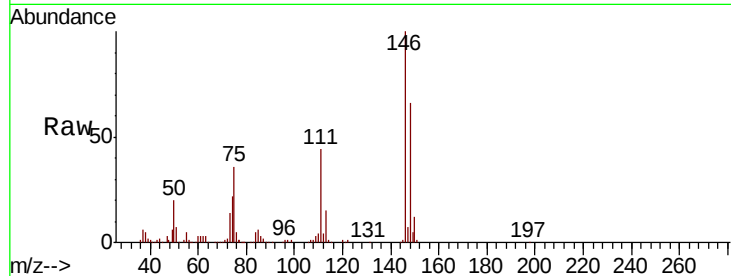
Tot Ion:146 Resp: 77752

Ion Ratio Lower Upper

146 100

111 44.5 32.1 59.7

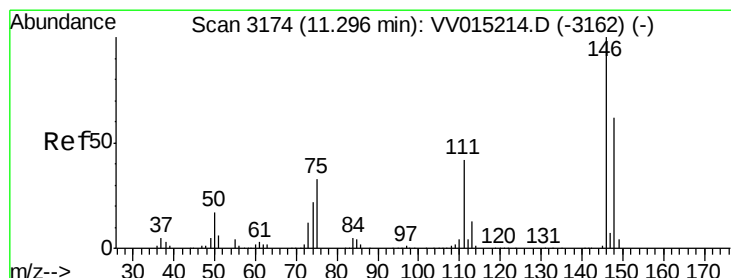
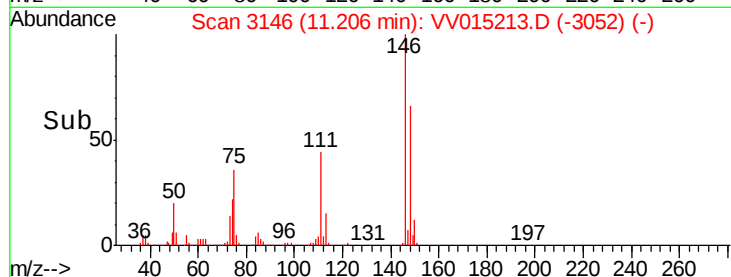
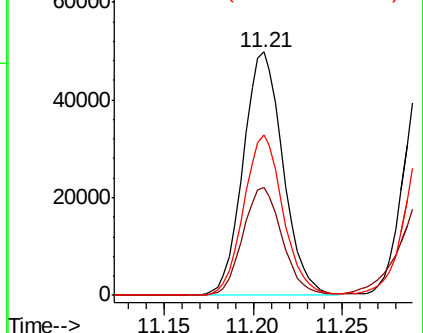
148 65.8 44.0 81.6



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: 9.360 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV015213.D

Acq: 27 Mar 2020 19:12

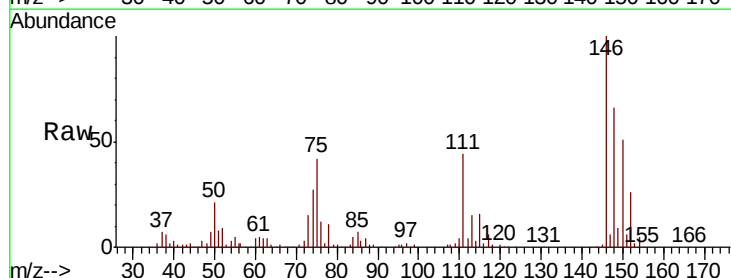
Tgt Ion:146 Resp: 78578

Ion Ratio Lower Upper

146 100

111 43.9 29.4 54.6

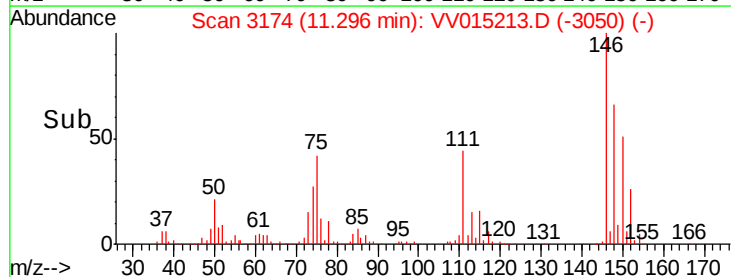
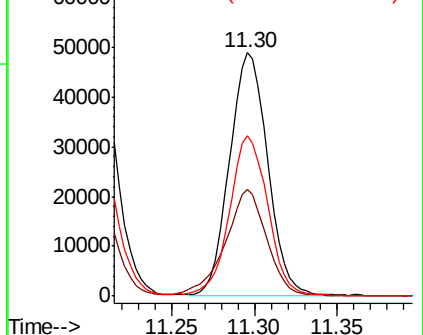
148 65.9 43.6 81.0

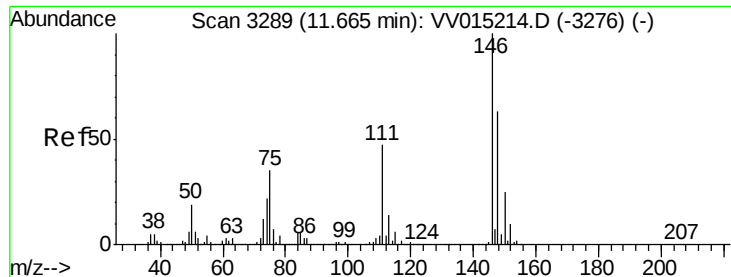


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 9.479 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV015213.D

Acq: 27 Mar 2020 19:12

Instrument :

MSVOA_V

ClientSampleId :

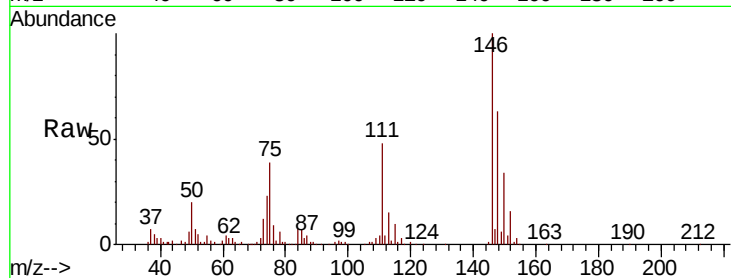
Tot Ion:146 Resp: 79716

Ion Ratio Lower Upper

146 100

111 47.8 37.6 56.4

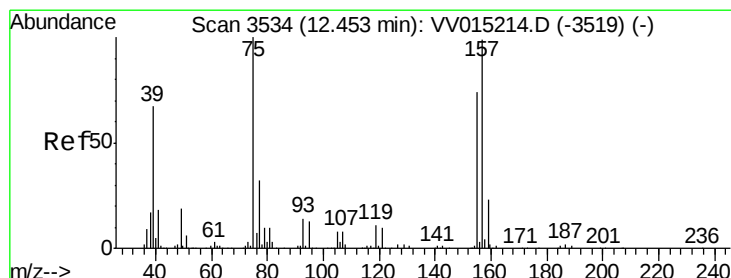
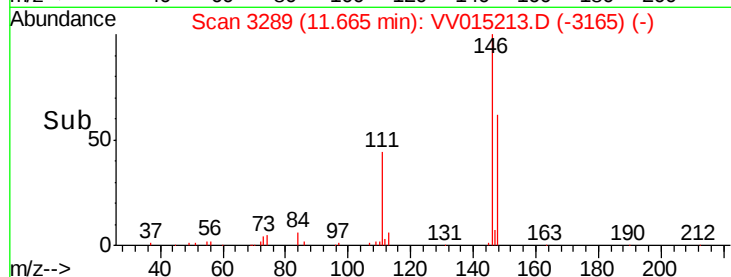
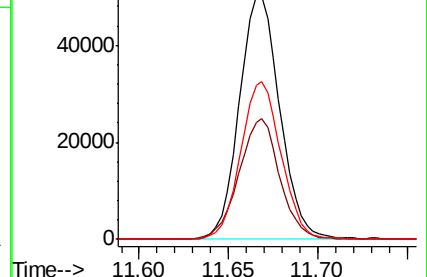
148 63.2 50.6 76.0



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: 9.695 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. -0.00 min

Lab File: VV015213.D

Acq: 27 Mar 2020 19:12

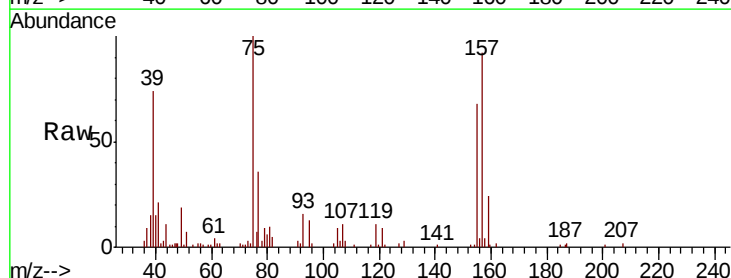
Tgt Ion: 75 Resp: 18031

Ion Ratio Lower Upper

75 100

155 72.5 59.1 88.7

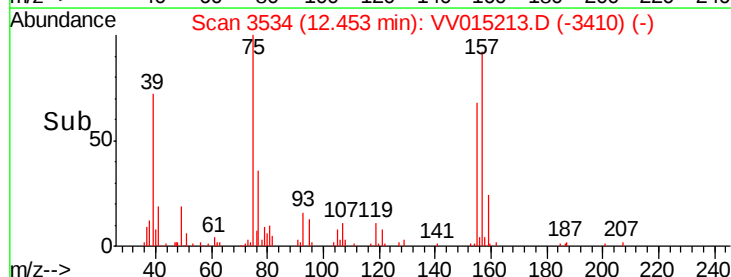
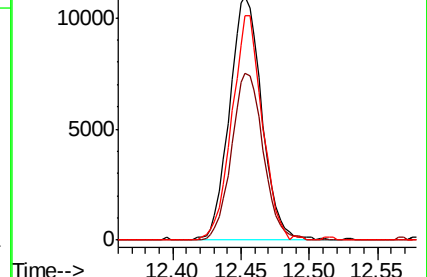
157 92.0 78.9 118.3

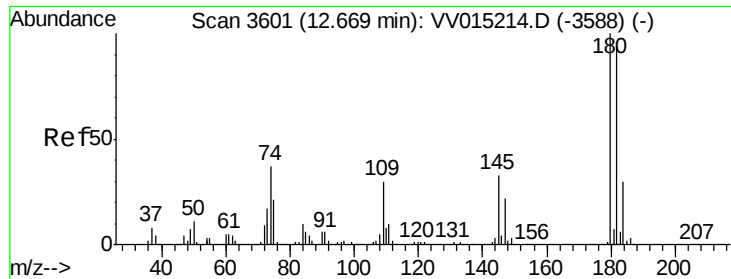


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

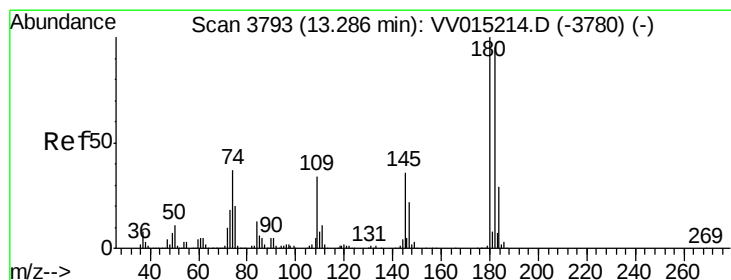
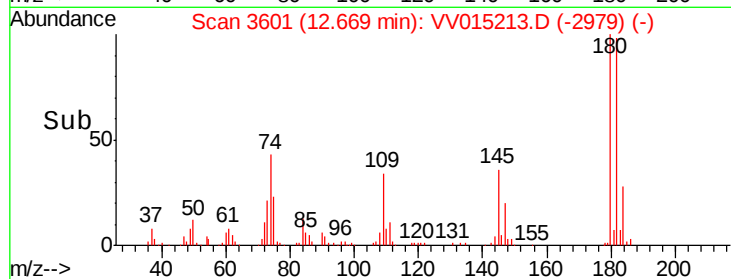
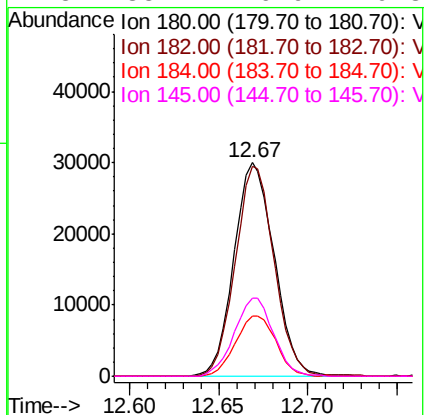
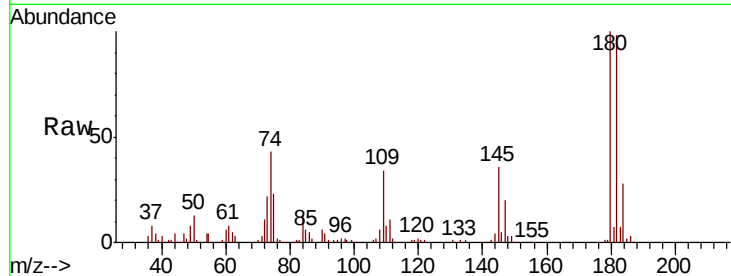




#67
 1,3,5-Trichlorobenzene
 Concen: 8.852 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV015213.D
 Acq: 27 Mar 2020 19:12

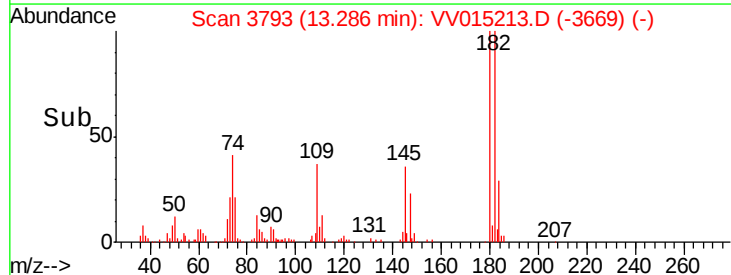
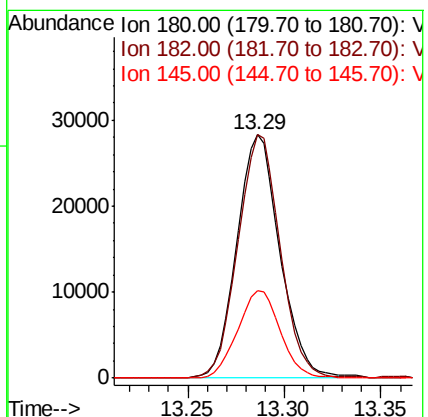
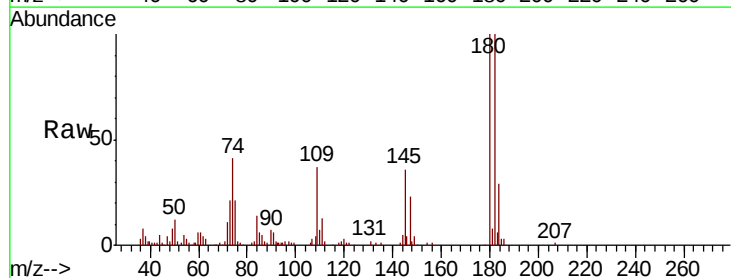
Instrument :
 MSVOA_V
 ClientSampleId :

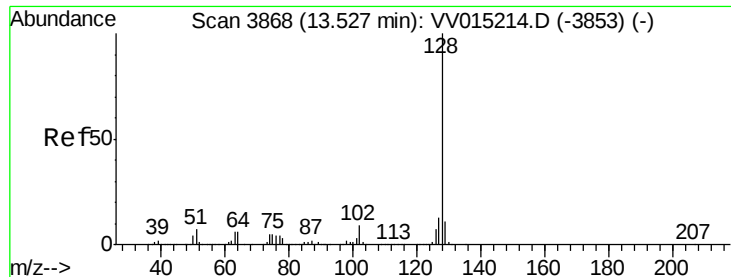
Tot Ion:180 Resp: 47016
 Ion Ratio Lower Upper
 180 100
 182 95.0 75.4 113.0
 184 28.4 23.8 35.8
 145 35.4 26.9 40.3



#68
 1,2,4-trichlorobenzene
 Concen: 8.649 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV015213.D
 Acq: 27 Mar 2020 19:12

Tgt Ion:180 Resp: 43712
 Ion Ratio Lower Upper
 180 100
 182 98.0 75.5 113.3
 145 35.8 28.5 42.7





#69

Naphthalene

Concen: 9.103 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV015213.D

Acq: 27 Mar 2020 19:12

Instrument :

MSVOA_V

ClientSampleId :

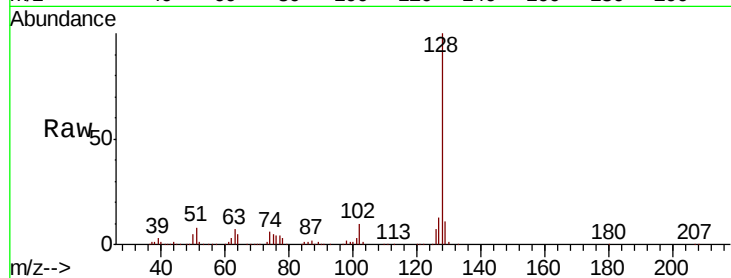
Tot Ion:128 Resp: 183745

Ion Ratio Lower Upper

128 100

127 12.9 10.6 15.8

129 10.9 8.6 12.8

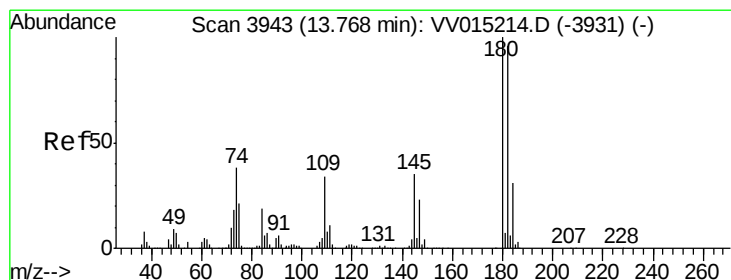
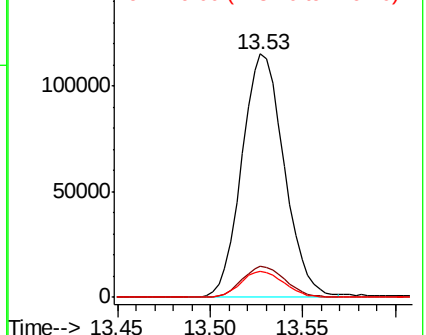
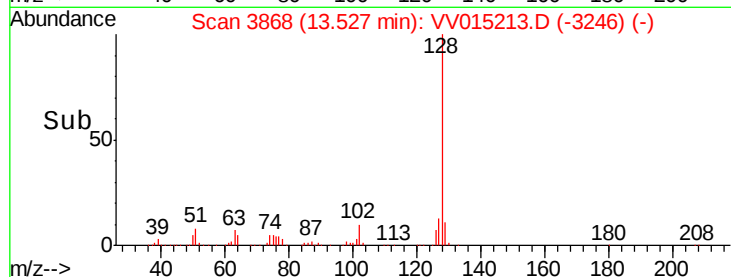


Abundance

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: 9.070 ug/L

RT: 13.77 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VV015213.D

Acq: 27 Mar 2020 19:12

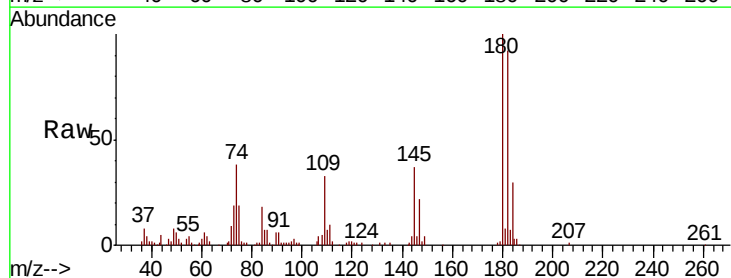
Tgt Ion:180 Resp: 45832

Ion Ratio Lower Upper

180 100

182 93.6 75.9 113.9

145 38.6 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

