

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV030620\
 Data File : VV014761.D
 Acq On : 06 Mar 2020 17:01
 Operator : SY/MD
 Sample : VSTD01063
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 06 22:44:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 06 22:37:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	459010	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	447340	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	228602	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	29236	14.02	ug/L	0.00
7) Chloroethane-d5	1.58	69	23728	15.41	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	50116	13.43	ug/L	0.00
21) 2-Butanone-d5	4.20	46	201	0.11	ug/L	0.26
24) Chloroform-d	4.38	84	53434	9.10	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	39338	10.34	ug/L	0.00
32) Benzene-d6	5.08	84	115070	9.70	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	39095	11.02	ug/L	0.00
41) Toluene-d8	7.34	98	111201	9.69	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	17623	9.04	ug/L	0.00
47) 2-Hexanone-d5	8.12	63	32788	22.54	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	51839	10.60	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	45353	10.10	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	43733	12.463	ug/L 100
3) Chloromethane	1.25	50	38880	17.753	ug/L 99
5) Vinyl chloride	1.32	62	35078	16.407	ug/L 99
6) Bromomethane	1.53	94	22071	17.354	ug/L 97
8) Chloroethane	1.60	64	19381	16.476	ug/L 98
9) Trichlorofluoromethane	1.77	101	46814	11.676	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	24429	13.966	ug/L 98
12) 1,1-Dichloroethene	2.13	96	24240	14.889	ug/L 95
13) Acetone	2.23	43	37676	23.930	ug/L 71
14) Carbon disulfide	2.31	76	76484	11.322	ug/L 100
15) Methyl Acetate	2.47	43	35289	13.055	ug/L 93
16) Methylene chloride	2.53	84	32589	10.793	ug/L 94
17) trans-1,2-Dichloroethene	2.78	96	28570	10.198	ug/L 97
18) Methyl tert-butyl Ether	2.80	73	94720	10.131	ug/L 98
19) 1,1-Dichloroethane	3.22	63	56802	11.018	ug/L 99
20) cis-1,2-Dichloroethene	3.95	96	32497	10.095	ug/L 98
22) 2-Butanone	4.03	43	42943	20.986	ug/L # 72
23) Bromochloromethane	4.28	128	17112	10.524	ug/L 94
25) Chloroform	4.41	83	62874	10.736	ug/L 99
27) 1,2-Dichloroethane	5.16	62	45853	10.665	ug/L 99
29) Cyclohexane	4.71	56	49958	11.182	ug/L 96
30) 1,1,1-Trichloroethane	4.64	97	50136	9.619	ug/L 98
31) Carbon tetrachloride	4.86	117	41637	9.071	ug/L 98
33) Benzene	5.13	78	123377	10.380	ug/L 100
34) Trichloroethene	5.94	95	32630	9.595	ug/L 97
35) Methylcyclohexane	6.15	83	52061	10.528	ug/L 99
37) 1,2-Dichloropropane	6.20	63	33447	11.275	ug/L 99
38) Bromodichloromethane	6.54	83	42073	9.595	ug/L 100
39) cis-1,3-Dichloropropene	7.05	75	50098	9.783	ug/L 96
40) 4-Methyl-2-pentanone	7.26	43	97242	25.500	ug/L 100

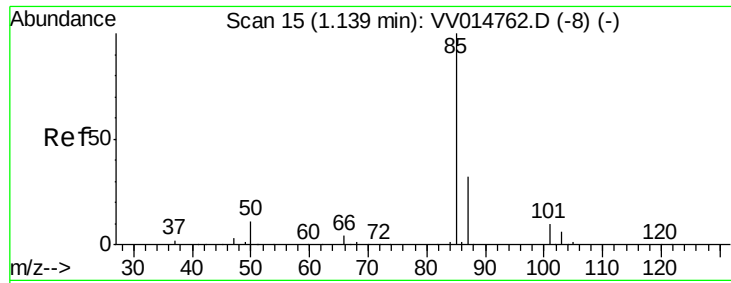
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV030620\
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 Quant Title : VOC Analysis
 QLast Update : Fri Mar 06 22:37:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	138112	10.723	ug/L	98
44) trans-1,3-Dichloropropene	7.68	75	46532	9.972	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	32164	10.533	ug/L	97
46) Tetrachloroethene	8.00	164	26898	10.762	ug/L	96
48) 2-Hexanone	8.17	43	74290	24.723	ug/L	96
49) Dibromochloromethane	8.27	129	32584	9.104	ug/L	95
50) 1,2-Dibromoethane	8.38	107	34228	10.146	ug/L	97
51) Chlorobenzene	8.90	112	88456	10.176	ug/L	99
52) Ethylbenzene	9.04	91	151523	10.280	ug/L	98
53) m,p-Xylene	9.16	106	56316	9.971	ug/L	98
54) o-xylene	9.57	106	55129	9.974	ug/L	97
55) Styrene	9.58	104	93580	10.106	ug/L	99
56) Isopropylbenzene	9.95	105	147222	10.086	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	53518	11.104	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	43574	11.016	ug/L	100
61) Bromoform	9.75	173	23572	9.546	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	71659	10.285	ug/L	97
63) 1,4-Dichlorobenzene	11.29	146	72447	10.130	ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	71612	10.338	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.45	75	11579	9.856	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	54395	10.524	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	49432	10.219	ug/L	99
69) Naphthalene	13.52	128	73480	5.123	ug/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	48909	9.847	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 12.463 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV014761.D

Acq: 06 Mar 2020 17:01

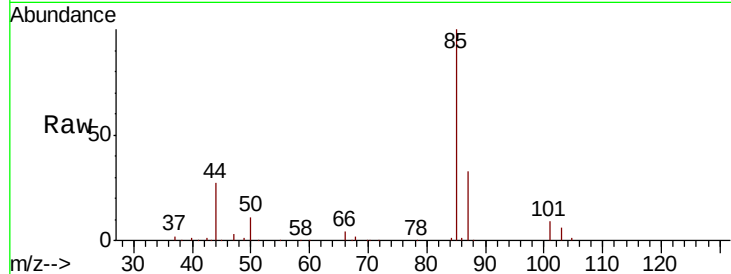
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 43733

Ion Ratio Lower Upper

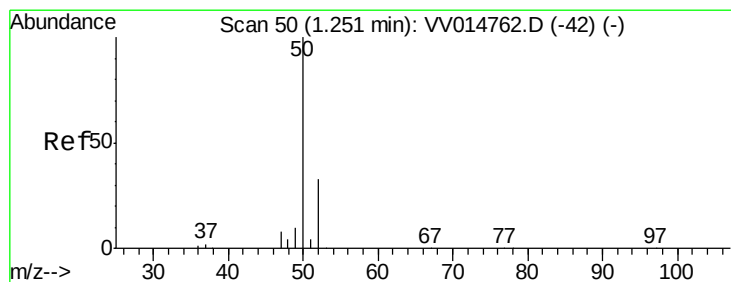
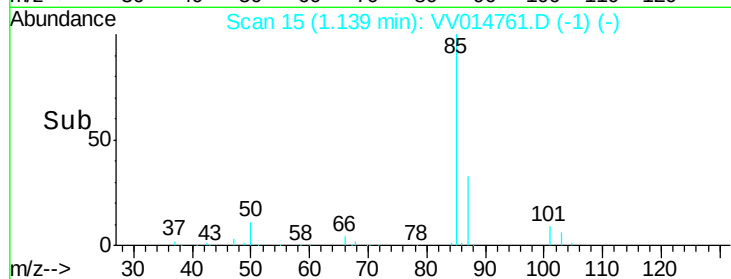
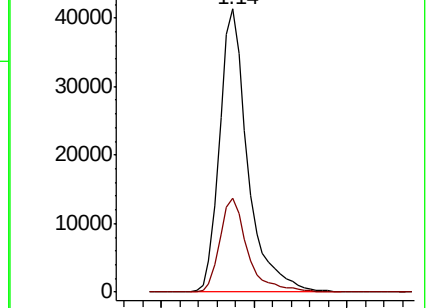
85 100

87 32.5 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 17.753 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV014761.D

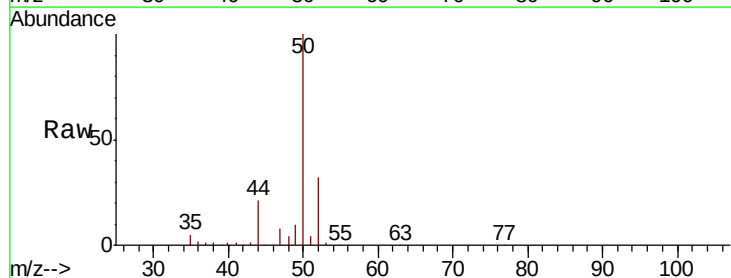
Acq: 06 Mar 2020 17:01

Tgt Ion: 50 Resp: 38880

Ion Ratio Lower Upper

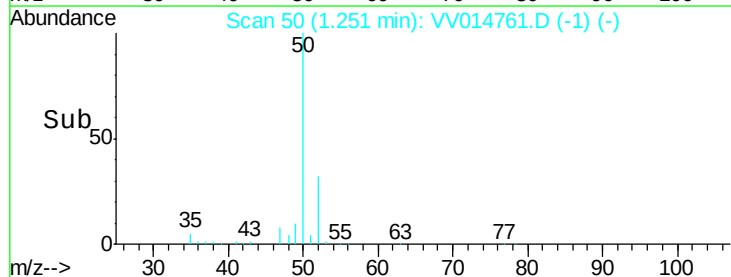
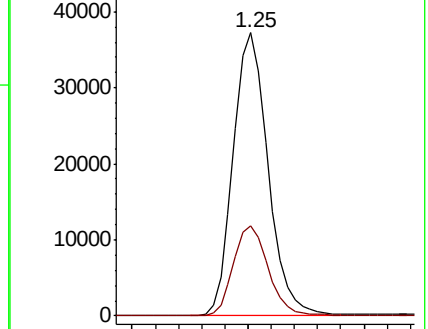
50 100

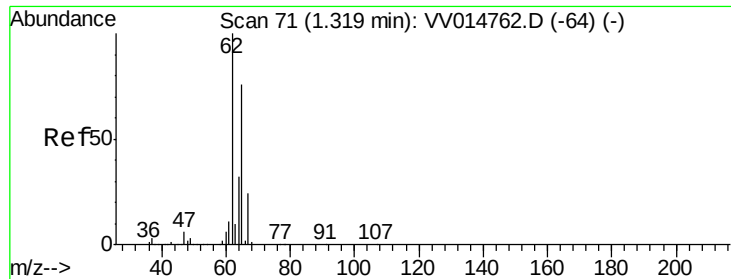
52 32.0 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 16.407 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV014761.D

Acq: 06 Mar 2020 17:01

Instrument :

MSVOA_V

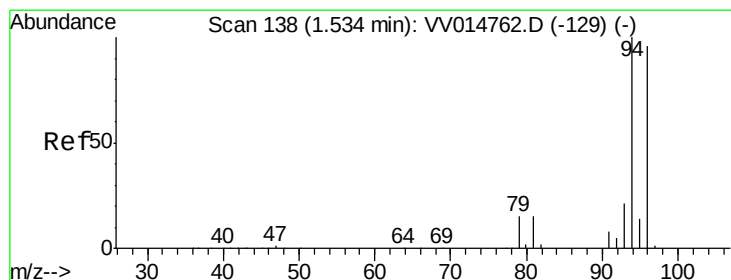
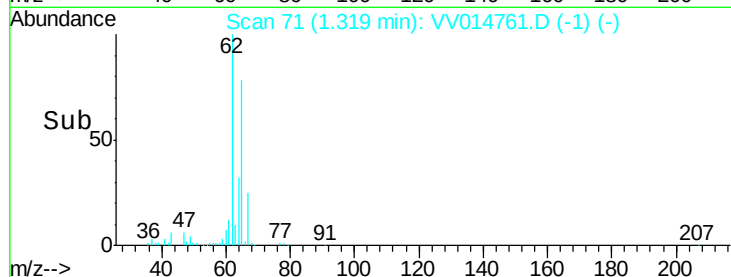
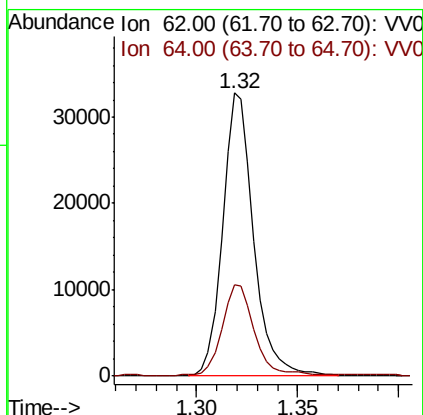
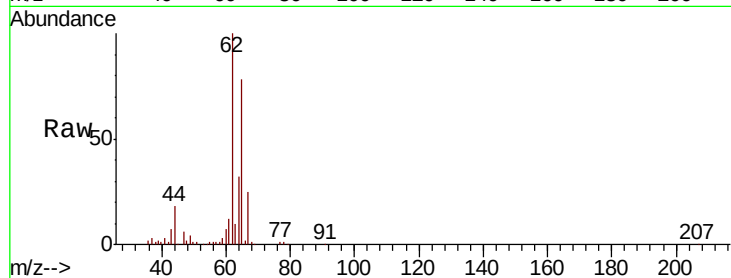
ClientSampleId :

Tot Ion: 62 Resp: 35078

Ion Ratio Lower Upper

62 100

64 32.3 22.3 41.5



#6

Bromomethane

Concen: 17.354 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV014761.D

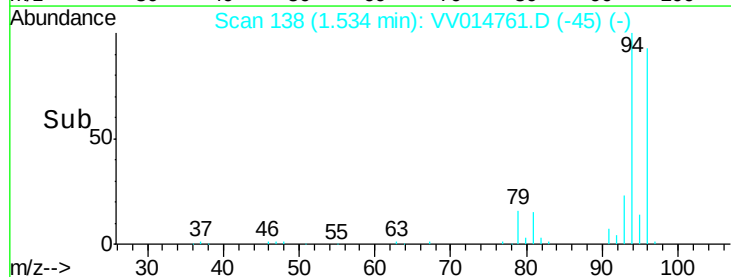
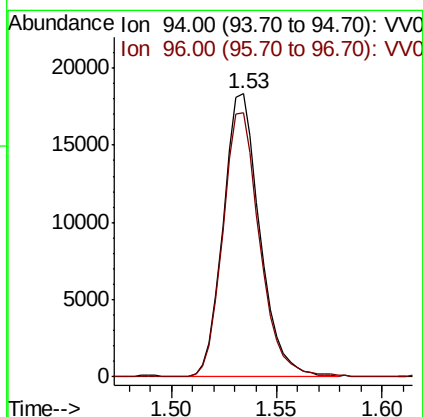
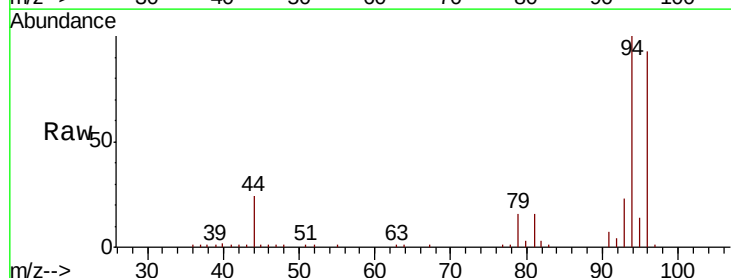
Acq: 06 Mar 2020 17:01

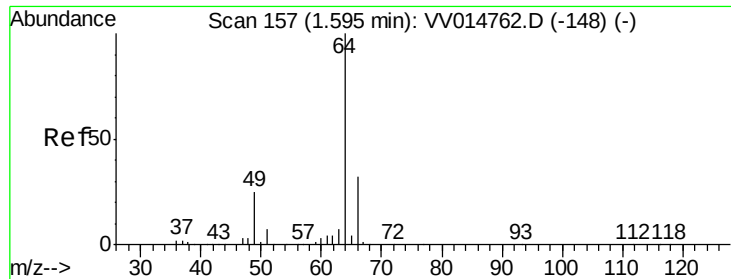
Tgt Ion: 94 Resp: 22071

Ion Ratio Lower Upper

94 100

96 93.3 67.2 124.8





#8

Chloroethane

Concen: 16.476 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV014761.D

Acq: 06 Mar 2020 17:01

Instrument :

MSVOA_V

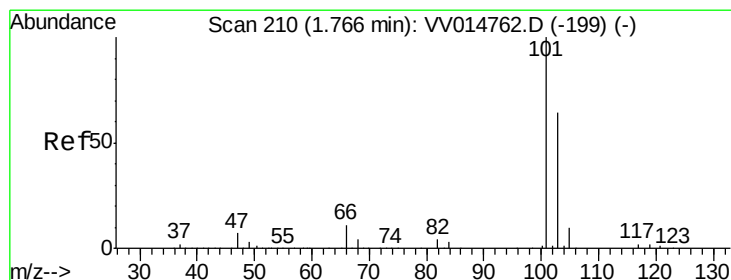
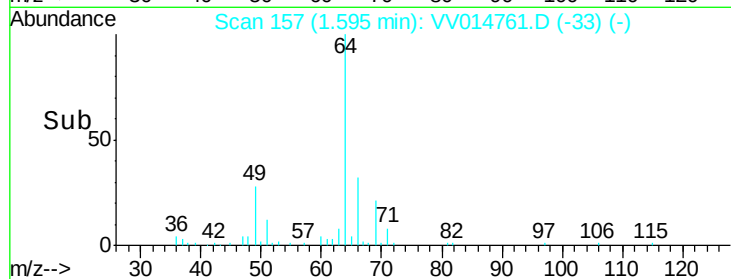
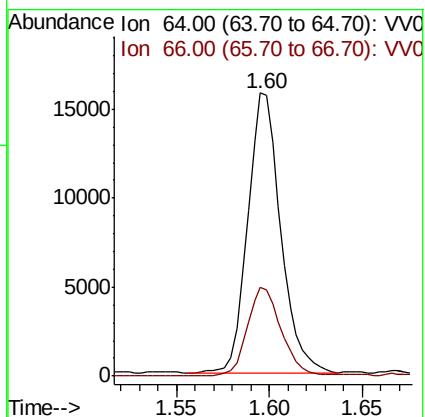
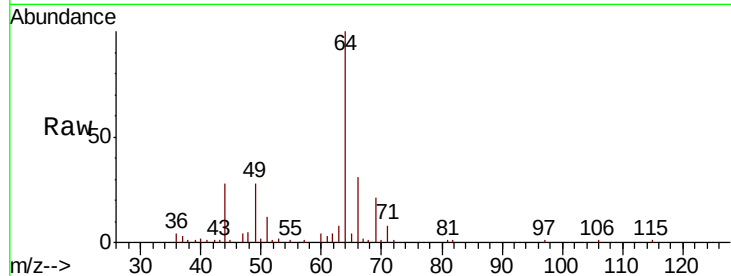
ClientSampleId :

Tot Ion: 64 Resp: 19381

Ion Ratio Lower Upper

64 100

66 31.2 22.6 42.0



#9

Trichlorofluoromethane

Concen: 11.676 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV014761.D

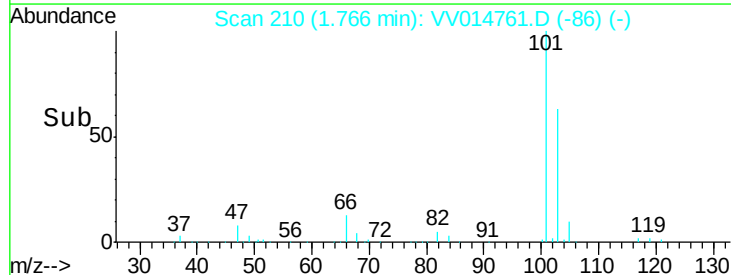
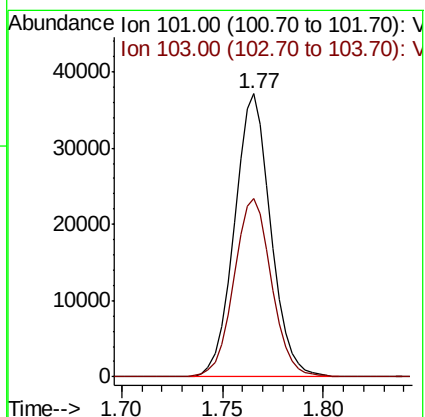
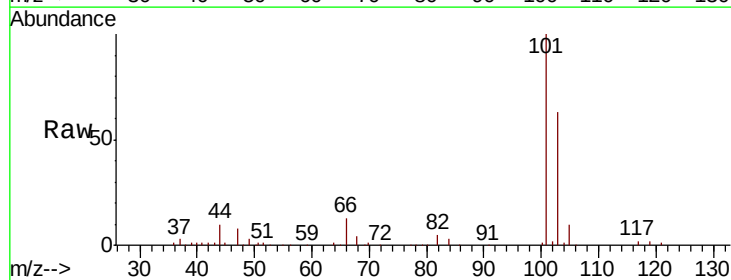
Acq: 06 Mar 2020 17:01

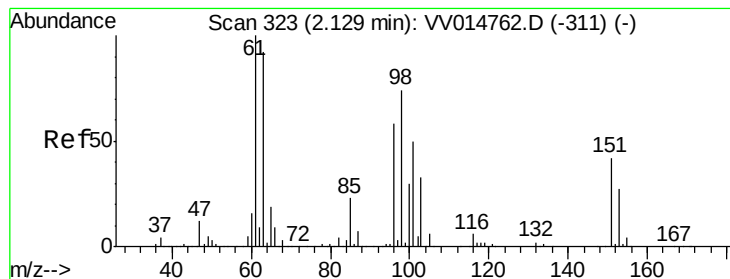
Tgt Ion: 101 Resp: 46814

Ion Ratio Lower Upper

101 100

103 65.4 51.8 77.8





#10

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

Concen: 13.966 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV014761.D

Acq: 06 Mar 2020 17:01

Instrument :

MSVOA_V

ClientSampled :

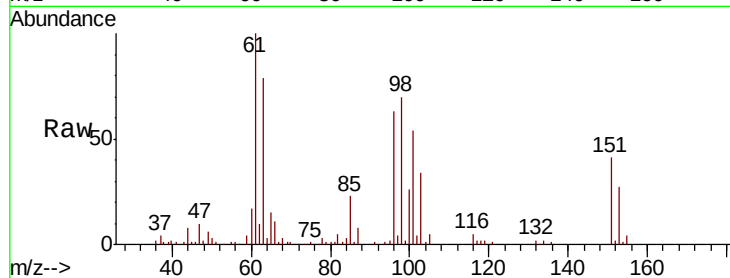
Tot Ion:101 Resp: 24429

Ion Ratio Lower Upper

101 100

85 43.5 35.0 52.6

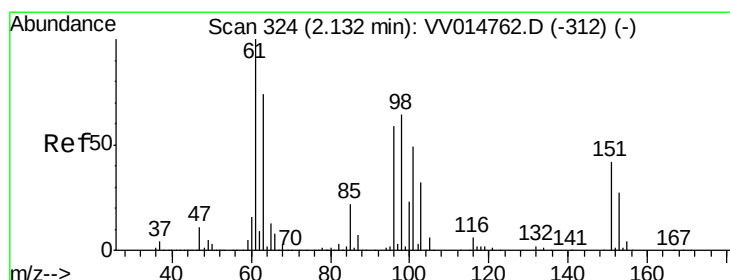
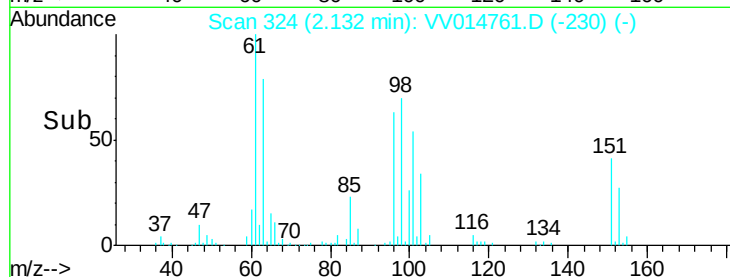
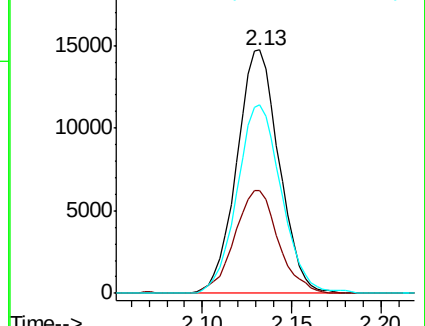
151 80.8 66.4 99.6



Abundance Ion 101.00 (100.70 to 101.70): VV014761.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV014761.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV014761.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 14.889 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV014761.D

Acq: 06 Mar 2020 17:01

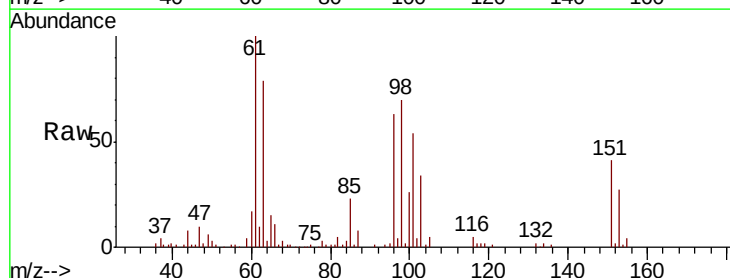
Tgt Ion: 96 Resp: 24240

Ion Ratio Lower Upper

96 100

61 158.7 118.4 220.0

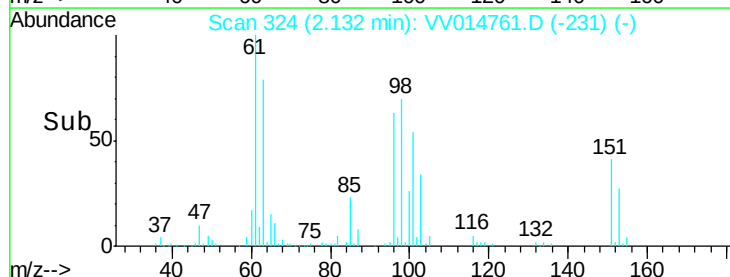
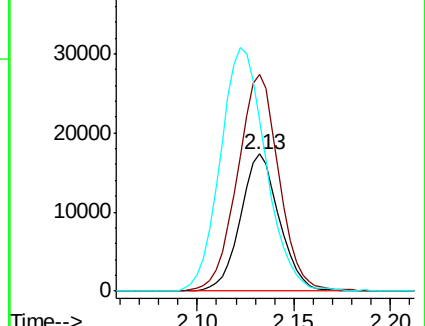
63 125.2 88.4 164.2

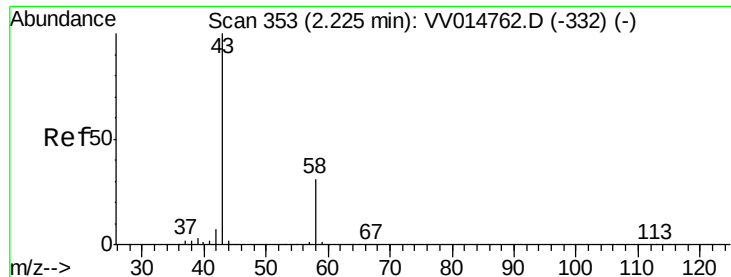


Abundance Ion 96.00 (95.70 to 96.70): VV014761.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV014761.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV014761.D (-231) (-)





#13

Acetone

Concen: 23.930 ug/L

RT: 2.23 min Scan# 354

Delta R.T. 0.00 min

Lab File: VV014761.D

Acq: 06 Mar 2020 17:01

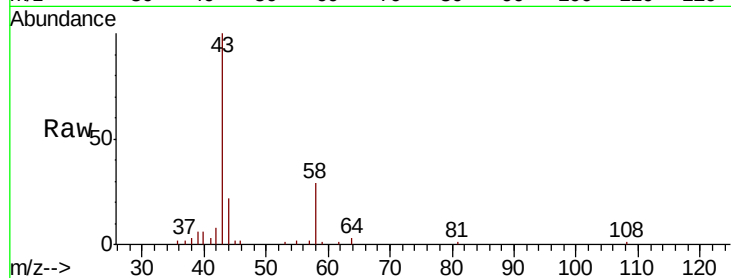
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 37676

Ion Ratio Lower Upper

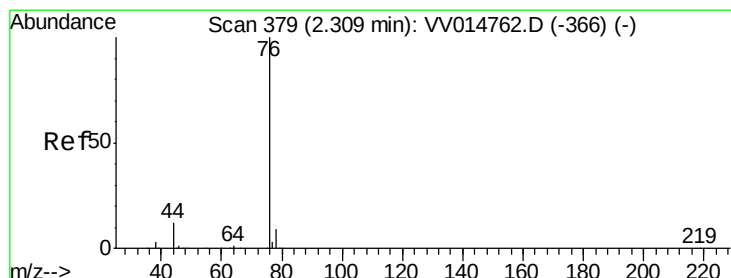
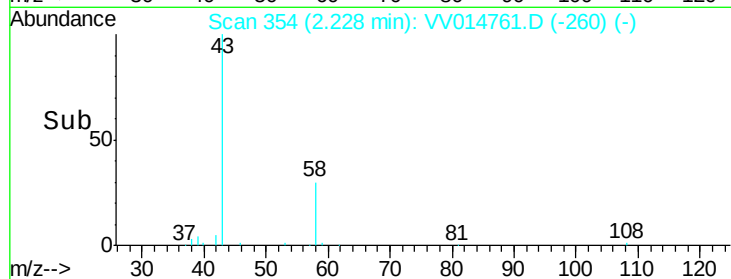
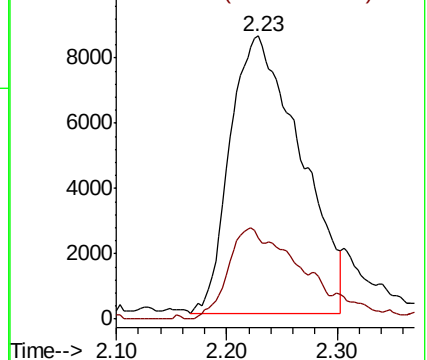
43 100

58 15.1 0.0 62.2



Abundance Ion 43.00 (42.70 to 43.70): VV014761.D (-260) (-)

Ion 58.00 (57.70 to 58.70): VV014761.D (-260) (-)



#14

Carbon disulfide

Concen: 11.322 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV014761.D

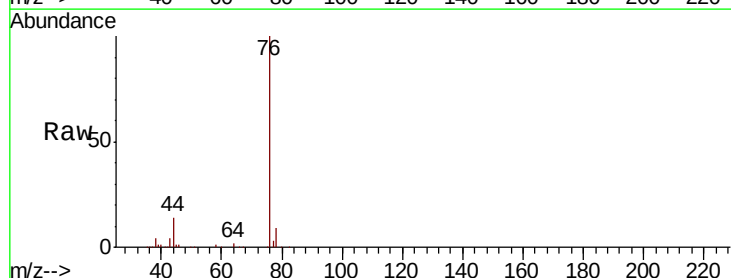
Acq: 06 Mar 2020 17:01

Tgt Ion: 76 Resp: 76484

Ion Ratio Lower Upper

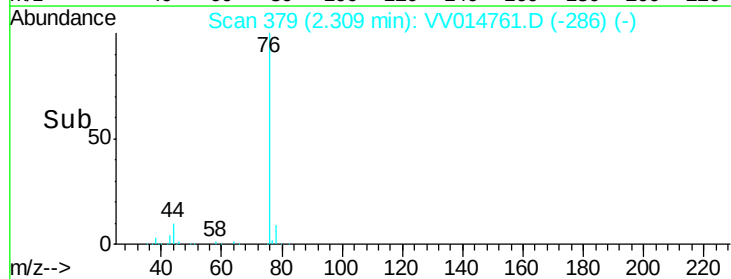
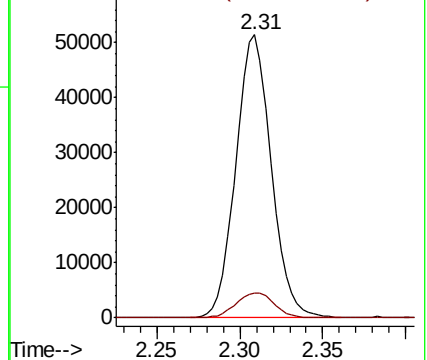
76 100

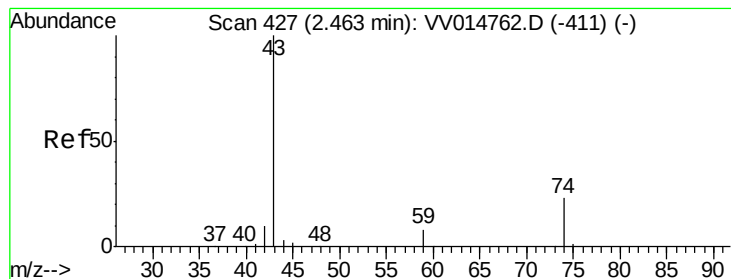
78 8.9 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV014761.D (-286) (-)

Ion 78.00 (77.70 to 78.70): VV014761.D (-286) (-)





#15

Methvl Acetate

Concen: 13.055 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VV014761.D

Acq: 06 Mar 2020 17:01

Instrument :

MSVOA_V

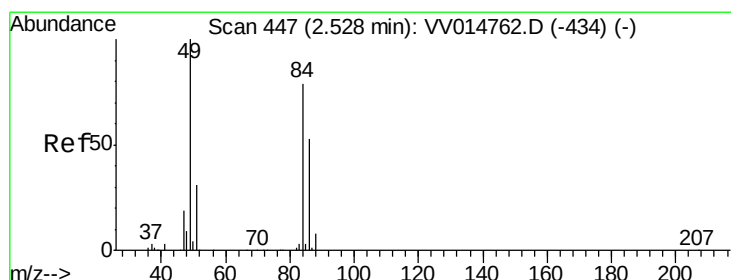
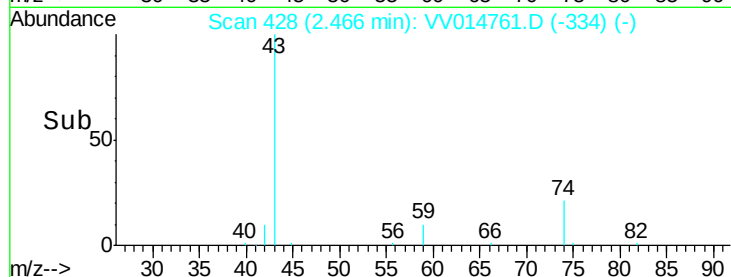
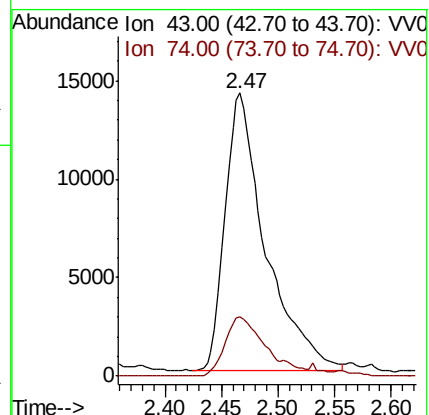
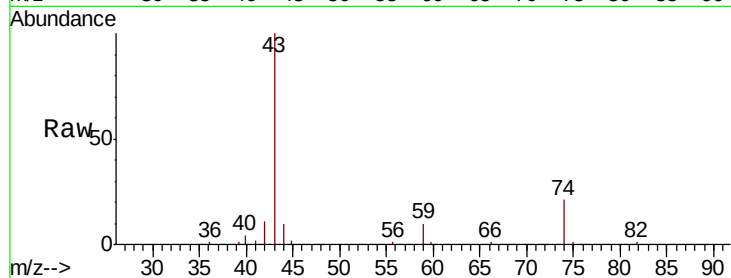
ClientSampleId :

Tot Ion: 43 Resp: 35289

Ion Ratio Lower Upper

43 100

74 19.2 17.9 26.9



#16

Methylene chloride

Concen: 10.793 ug/L

RT: 2.53 min Scan# 447

Delta R.T. -0.00 min

Lab File: VV014761.D

Acq: 06 Mar 2020 17:01

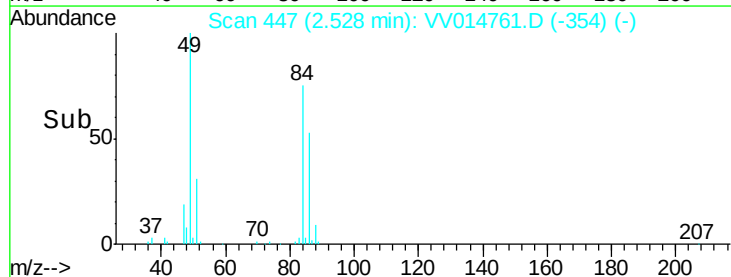
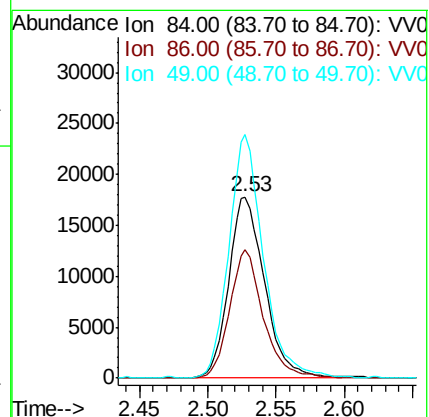
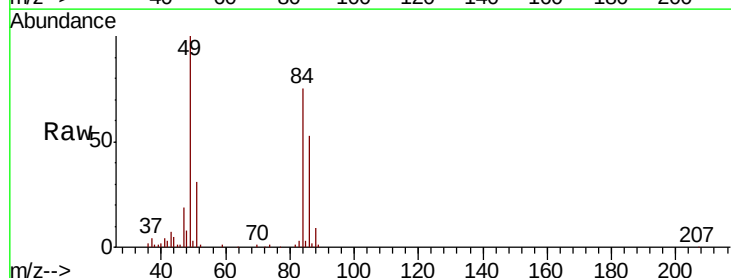
Tgt Ion: 84 Resp: 32589

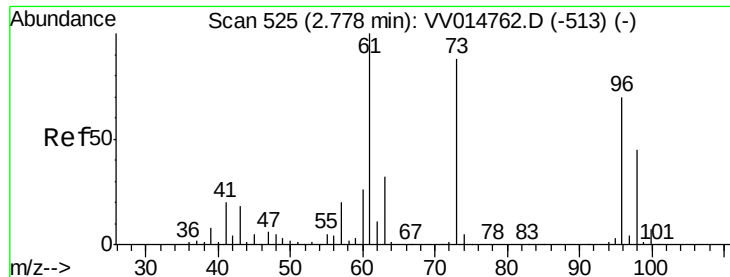
Ion Ratio Lower Upper

84 100

86 70.7 47.3 87.9

49 134.2 88.7 164.7





#17

trans-1,2-Dichloroethene

Concen: 10.198 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV014761.D

Acq: 06 Mar 2020 17:01

Instrument :
MSVOA_V
ClientSampleId :

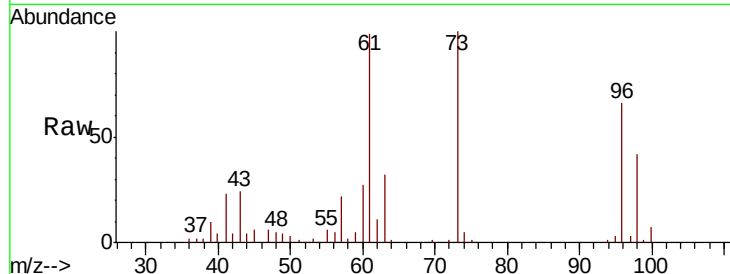
Tot Ion: 96 Resp: 28570

Ion Ratio Lower Upper

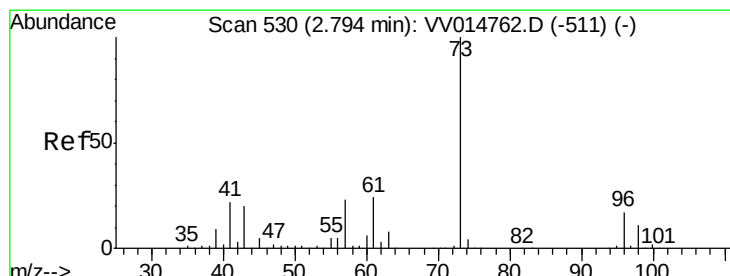
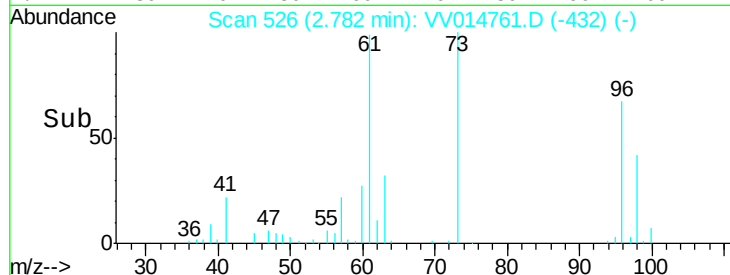
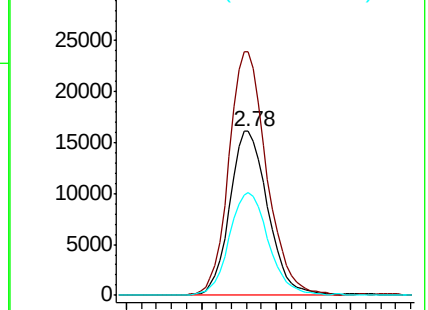
96 100

61 148.6 100.5 186.7

98 63.2 45.1 83.7



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: 10.131 ug/L

RT: 2.80 min Scan# 531

Delta R.T. 0.00 min

Lab File: VV014761.D

Acq: 06 Mar 2020 17:01

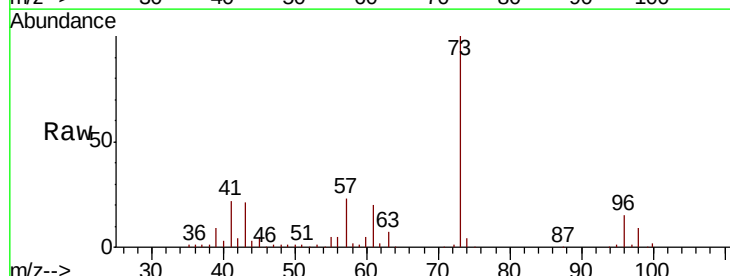
Tgt Ion: 73 Resp: 94720

Ion Ratio Lower Upper

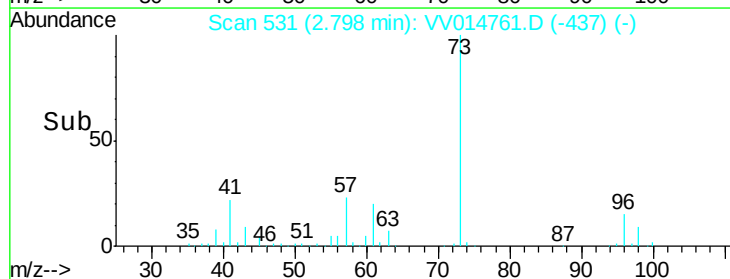
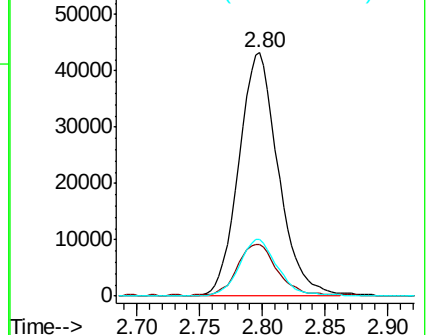
73 100

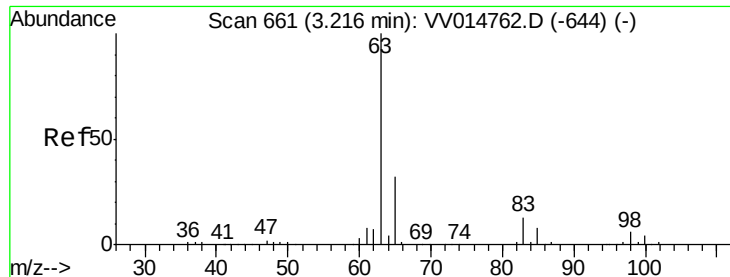
43 21.5 15.9 23.9

57 22.4 18.0 27.0



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

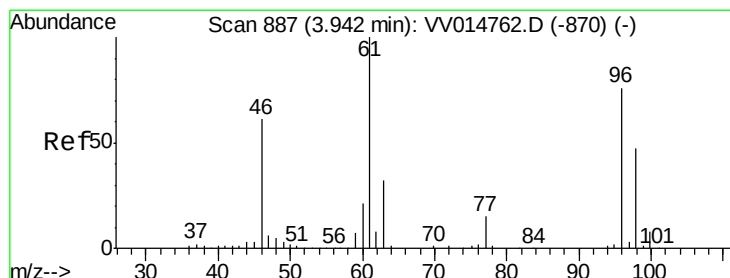
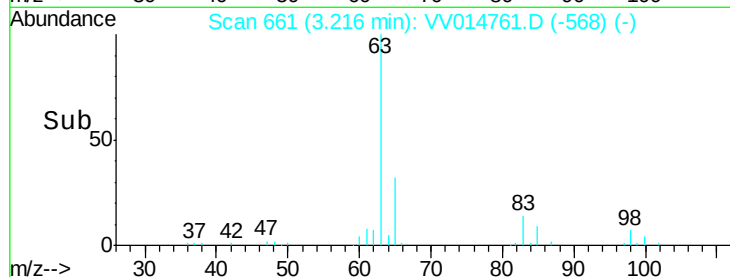
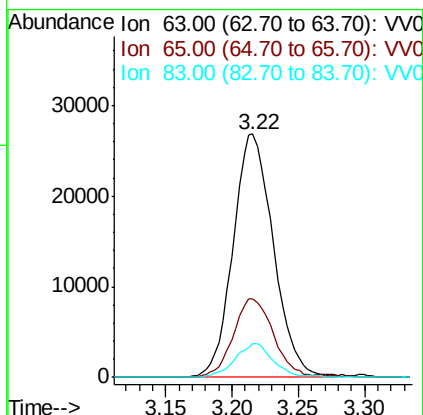
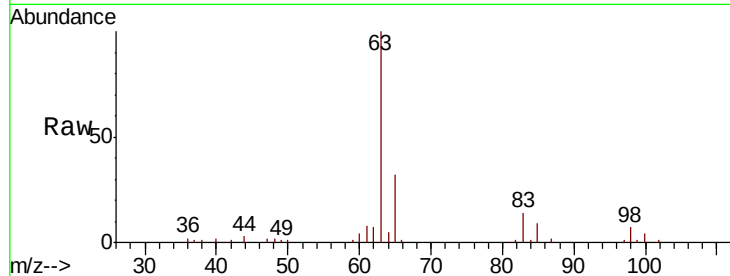




#19
 1,1-Dichloroethane
 Concen: 11.018 ug/L
 RT: 3.22 min Scan# 661
 Delta R.T. -0.00 min
 Lab File: VV014761.D
 Acq: 06 Mar 2020 17:01

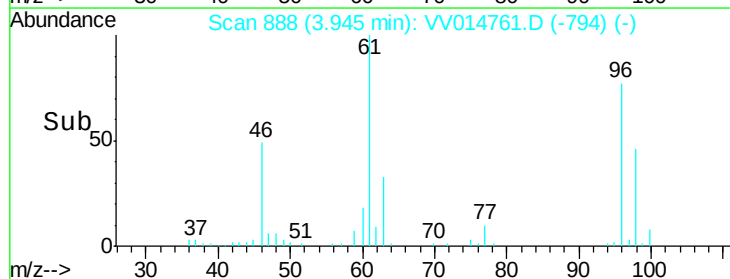
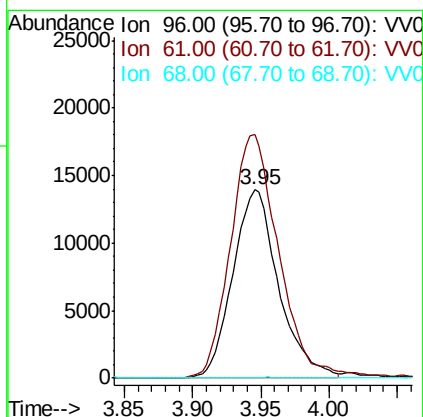
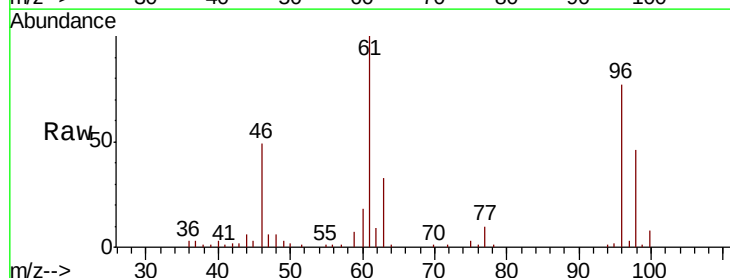
Instrument :
 MSVOA_V
 ClientSampleId :

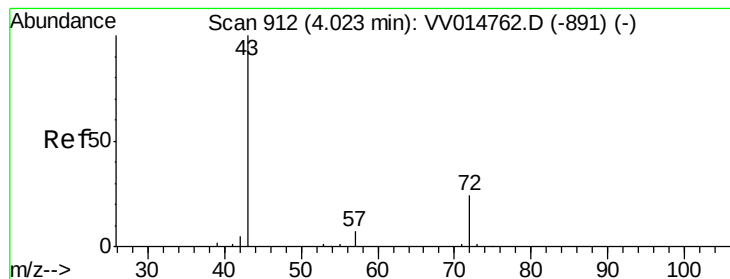
Tot Ion: 63 Resp: 56802
 Ion Ratio Lower Upper
 63 100
 65 32.1 22.5 41.7
 83 13.8 9.1 16.9



#20
 cis-1,2-Dichloroethene
 Concen: 10.095 ug/L
 RT: 3.95 min Scan# 888
 Delta R.T. 0.00 min
 Lab File: VV014761.D
 Acq: 06 Mar 2020 17:01

Tgt Ion: 96 Resp: 32497
 Ion Ratio Lower Upper
 96 100
 61 129.3 92.2 171.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 20.986 ug/L

RT: 4.03 min Scan# 915

Delta R.T. 0.01 min

Lab File: VV014761.D

Acq: 06 Mar 2020 17:01

Instrument :

MSVOA_V

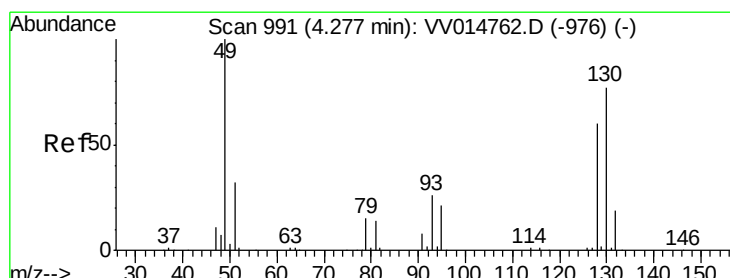
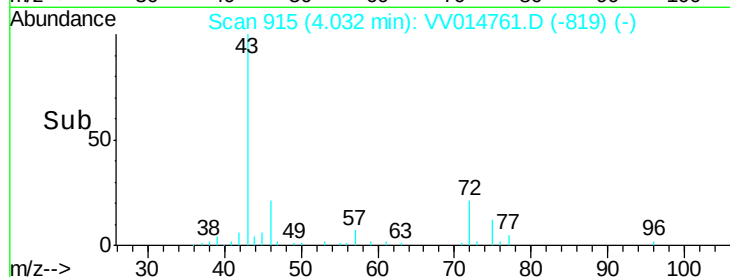
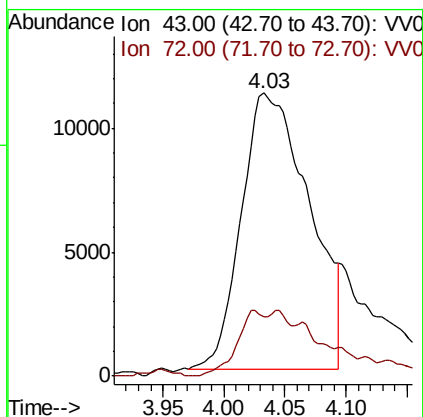
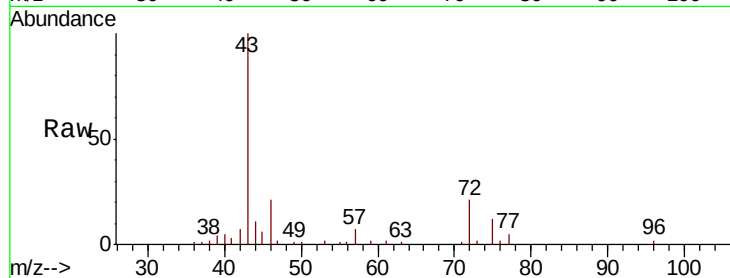
ClientSampled :

Tot Ion: 43 Resp: 42943

Ion Ratio Lower Upper

43 100

72 10.3 12.0 36.0#



#23

Bromochloromethane

Concen: 10.524 ug/L

RT: 4.28 min Scan# 992

Delta R.T. 0.00 min

Lab File: VV014761.D

Acq: 06 Mar 2020 17:01

Tgt Ion:128 Resp: 17112

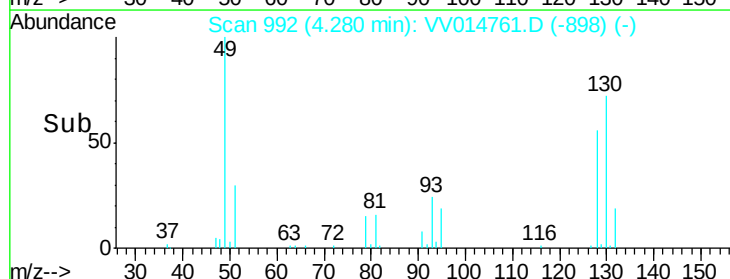
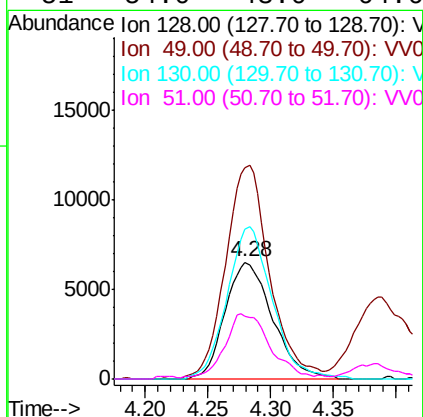
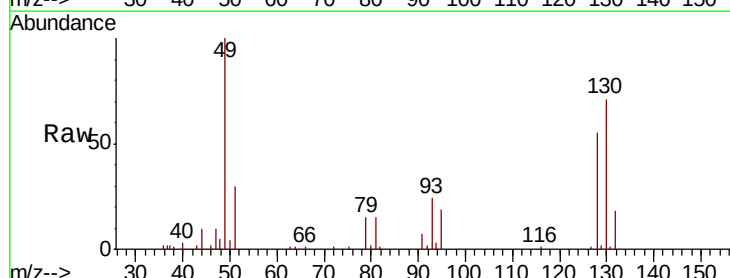
Ion Ratio Lower Upper

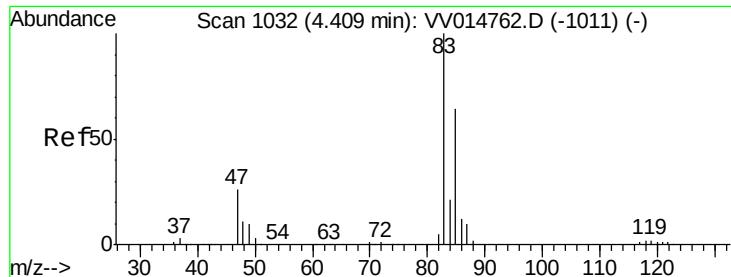
128 100

49 181.1 116.3 215.9

130 128.3 88.9 165.1

51 54.0 43.0 64.6

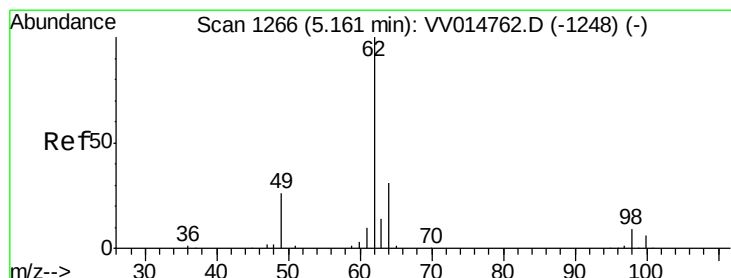
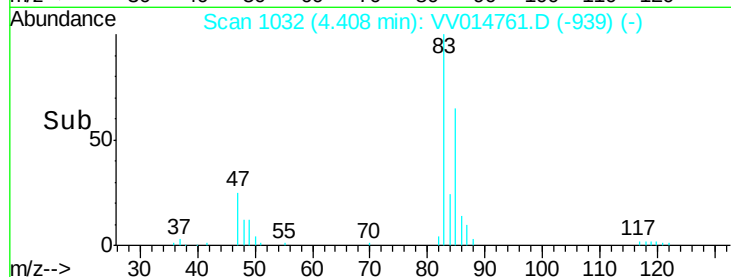
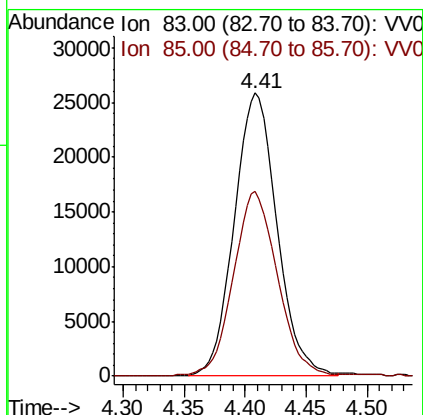
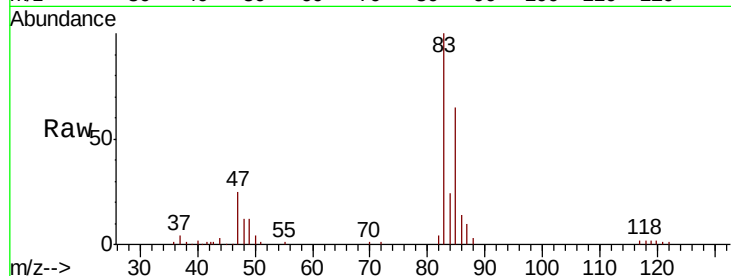




#25
Chloroform
Concen: 10.736 ug/L
RT: 4.41 min Scan# 1032
Delta R.T. -0.00 min
Lab File: VV014761.D
Acq: 06 Mar 2020 17:01

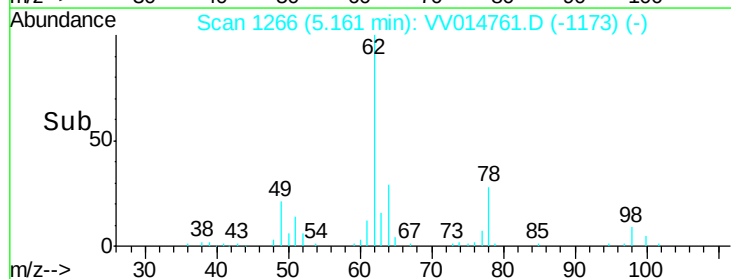
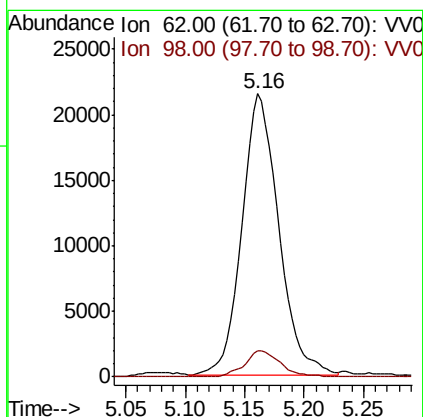
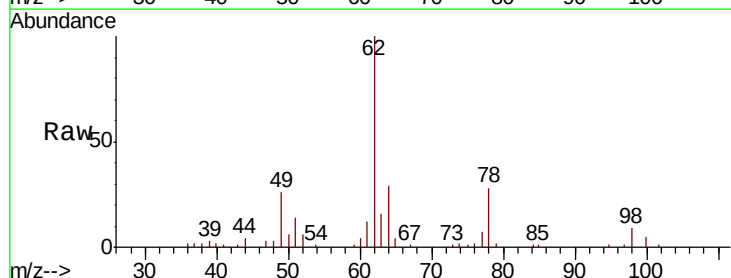
Instrument :
MSVOA_V
ClientSampleId :

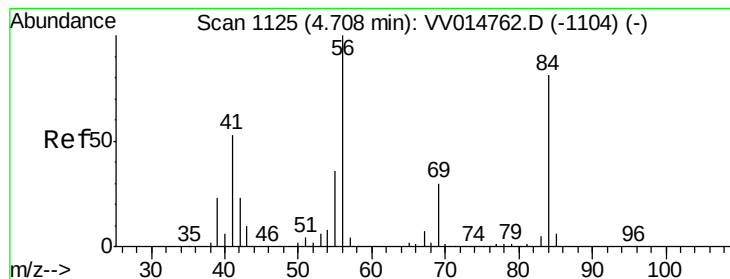
Tot Ion: 83 Resp: 62874
Ion Ratio Lower Upper
83 100
85 65.4 45.1 83.9



#27
1,2-Dichloroethane
Concen: 10.665 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. -0.00 min
Lab File: VV014761.D
Acq: 06 Mar 2020 17:01

Tgt Ion: 62 Resp: 45853
Ion Ratio Lower Upper
62 100
98 9.3 7.2 10.8





#29

Cyclohexane

Concen: 11.182 ug/L

RT: 4.71 min Scan# 1125

Delta R.T. -0.00 min

Lab File: VV014761.D

Acq: 06 Mar 2020 17:01

Instrument :
MSVOA_V
ClientSampled :

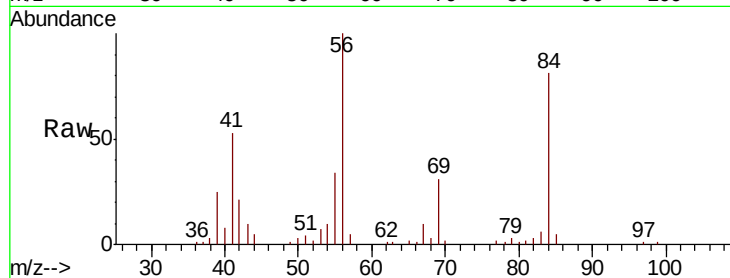
Tot Ion: 56 Resp: 49958

Ion Ratio Lower Upper

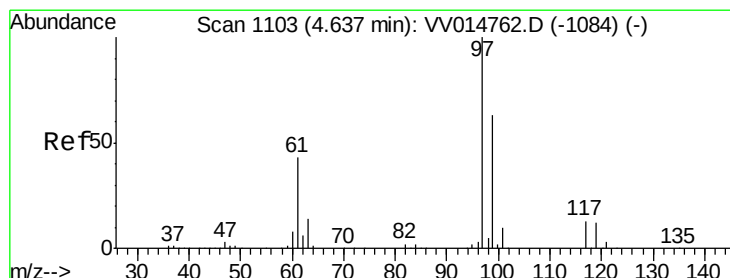
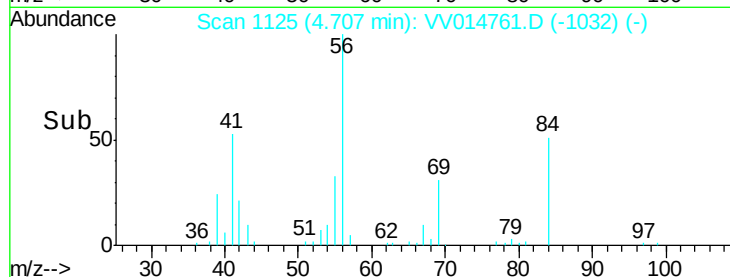
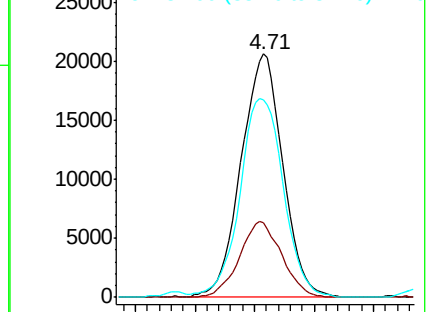
56 100

69 31.5 23.5 35.3

84 85.5 65.3 97.9



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: 9.619 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VV014761.D

Acq: 06 Mar 2020 17:01

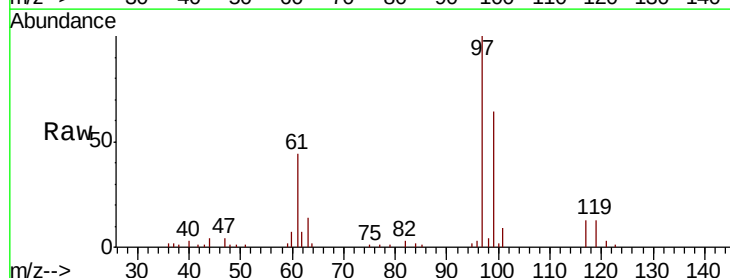
Tgt Ion: 97 Resp: 50136

Ion Ratio Lower Upper

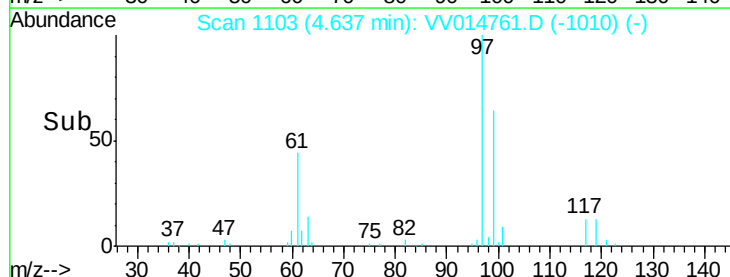
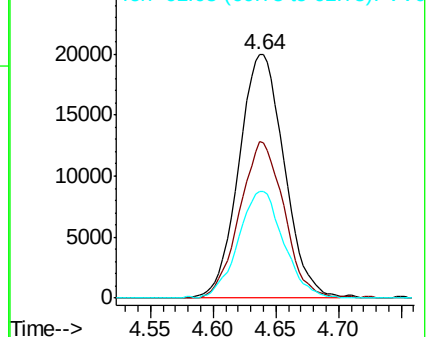
97 100

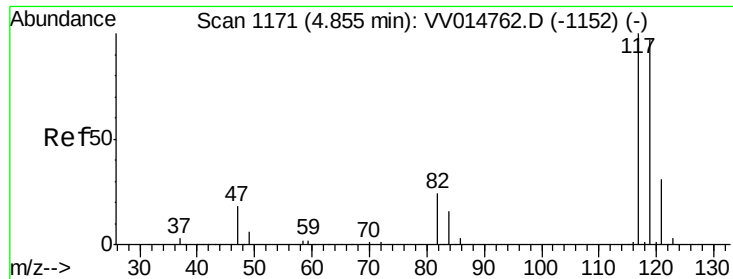
99 62.7 51.6 77.4

61 43.9 34.6 52.0



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





#31

Carbon tetrachloride

Concen: 9.071 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VV014761.D

Acq: 06 Mar 2020 17:01

Instrument :

MSVOA_V

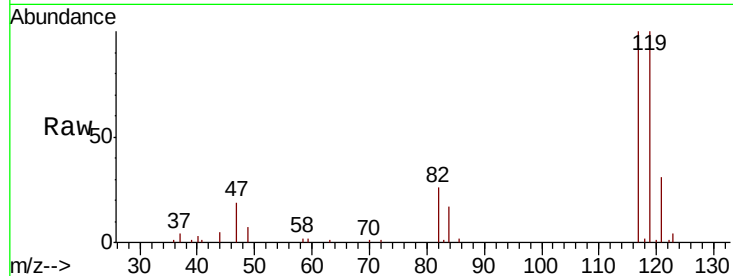
ClientSampleId :

Tot Ion:117 Resp: 41637

Ion Ratio Lower Upper

117 100

119 97.9 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.86

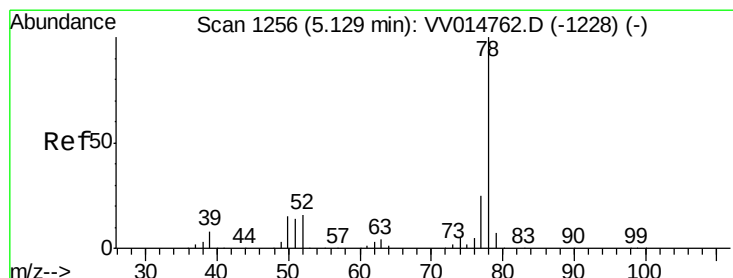
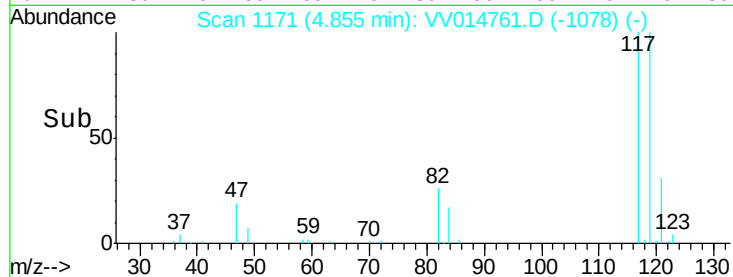
15000

10000

5000

0

Time-->



#33

Benzene

Concen: 10.380 ug/L

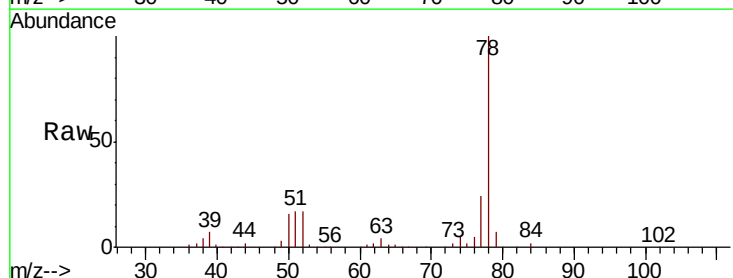
RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VV014761.D

Acq: 06 Mar 2020 17:01

Tgt Ion: 78 Resp: 123377



Abundance Ion 78.00 (77.70 to 78.70): VV0

5.13

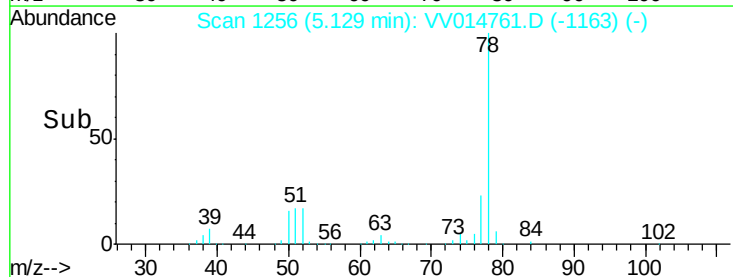
60000

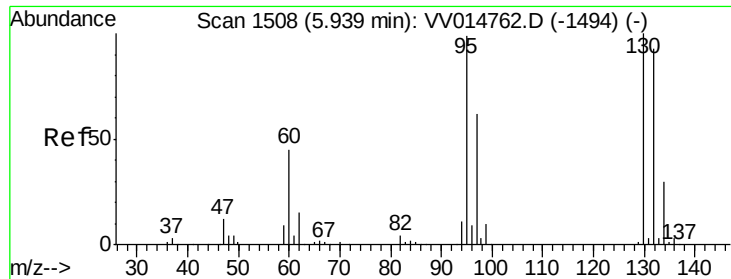
40000

20000

0

Time-->





#34

Trichloroethene

Concen: 9.595 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VV014761.D

Acq: 06 Mar 2020 17:01

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 32630

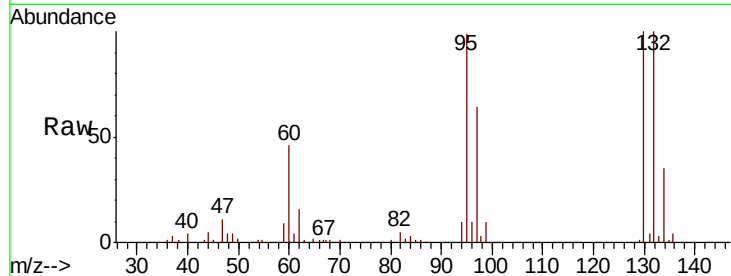
Ion Ratio Lower Upper

95 100

97 65.0 43.8 81.4

132 100.7 65.8 122.2

130 101.2 70.6 131.2

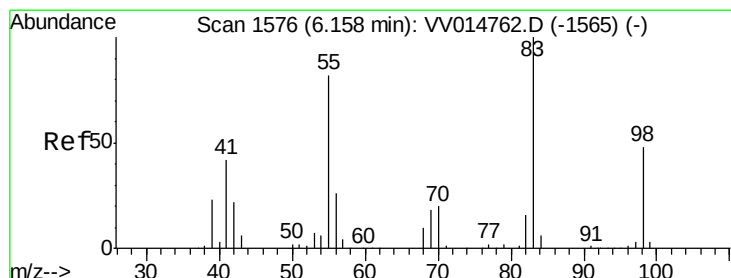
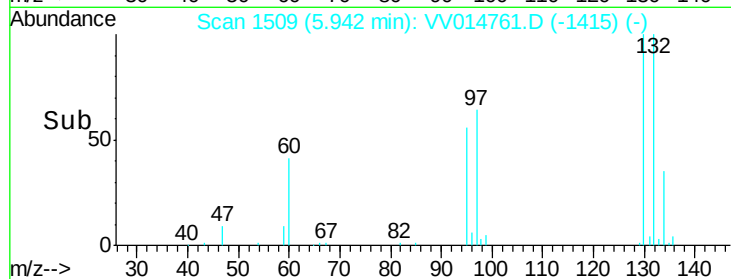
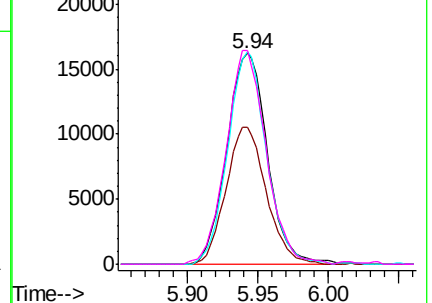


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 10.528 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV014761.D

Acq: 06 Mar 2020 17:01

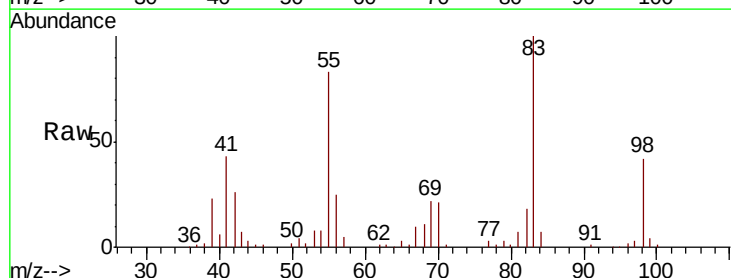
Tgt Ion: 83 Resp: 52061

Ion Ratio Lower Upper

83 100

55 79.7 63.4 95.2

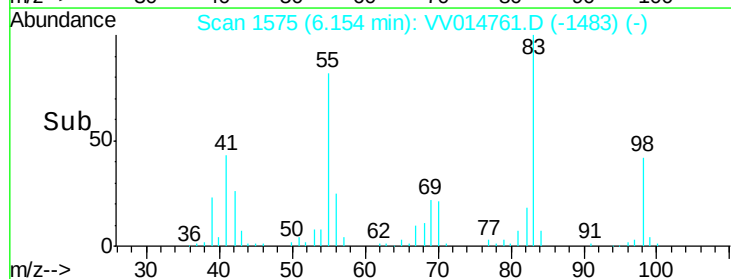
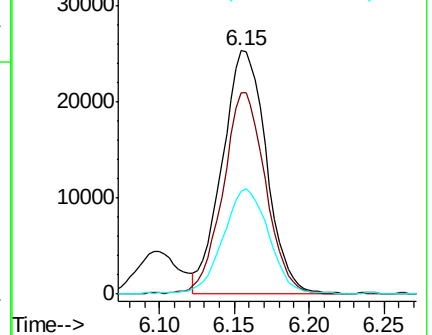
98 44.8 36.8 55.2

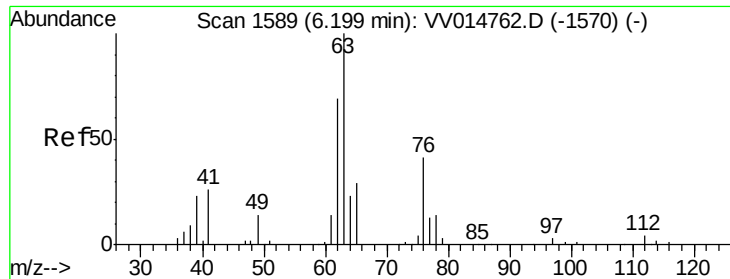


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

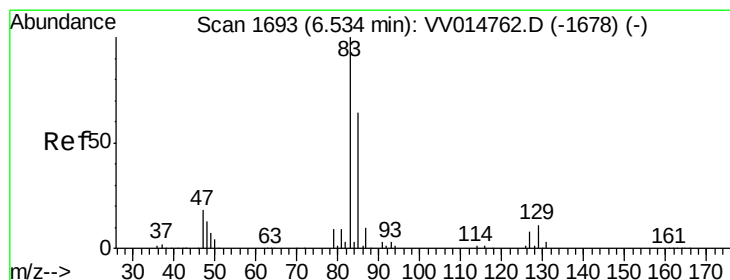
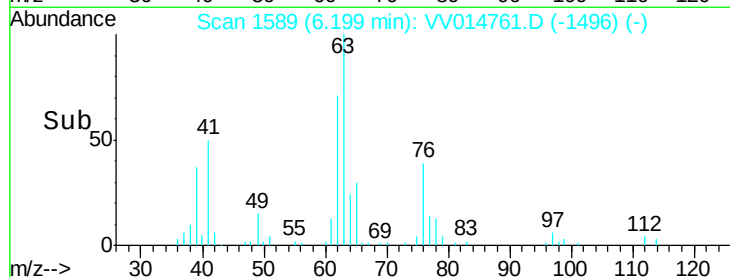
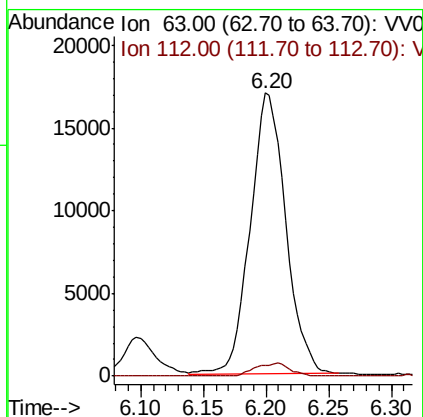
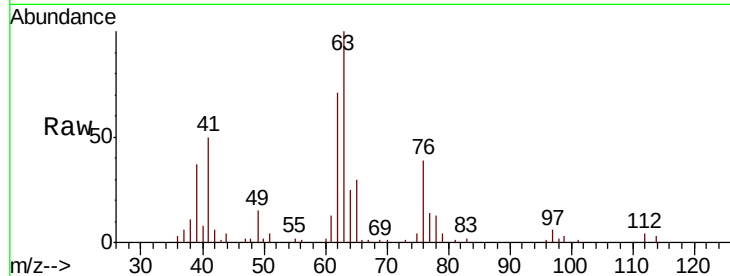




#37
 1,2-Dichloropropane
 Concen: 11.275 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. -0.00 min
 Lab File: VV014761.D
 Acq: 06 Mar 2020 17:01

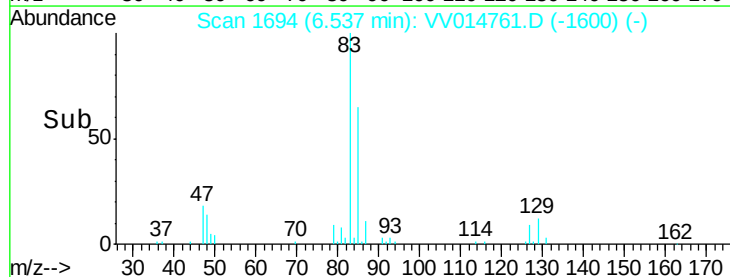
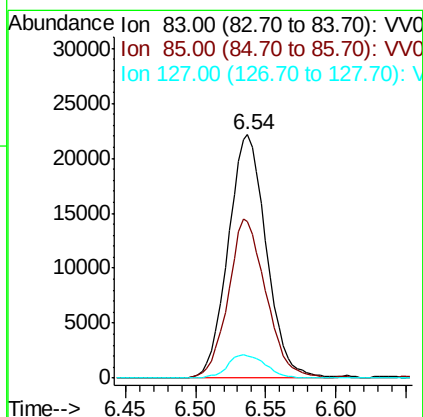
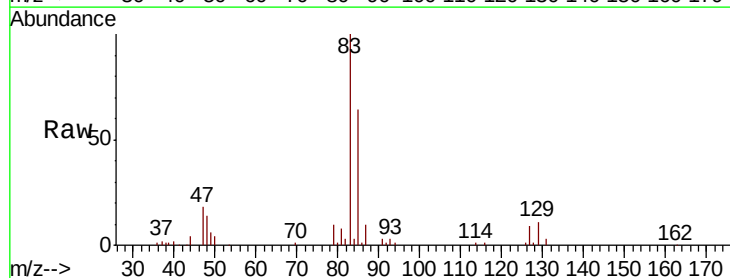
Instrument :
 MSVOA_V
 ClientSampleId :

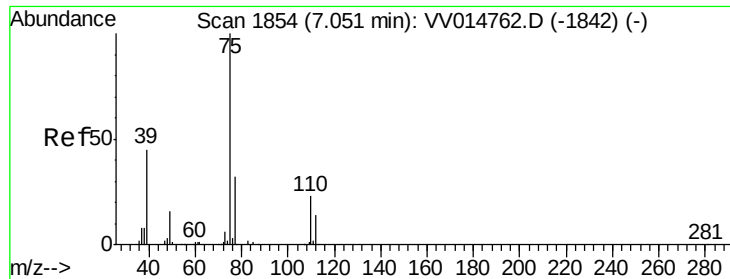
Tot Ion: 63 Resp: 33447
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.2 4.8



#38
 Bromodichloromethane
 Concen: 9.595 ug/L
 RT: 6.54 min Scan# 1694
 Delta R.T. 0.00 min
 Lab File: VV014761.D
 Acq: 06 Mar 2020 17:01

Tgt Ion: 83 Resp: 42073
 Ion Ratio Lower Upper
 83 100
 85 64.3 45.1 83.7
 127 9.1 6.7 10.1

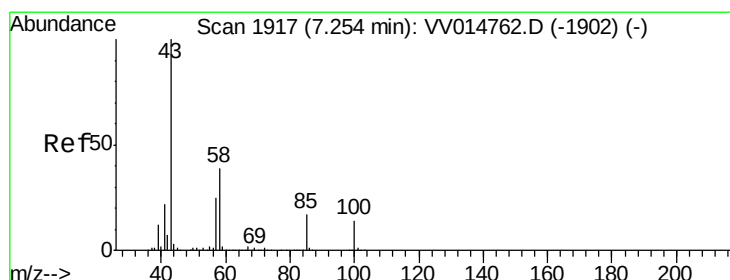
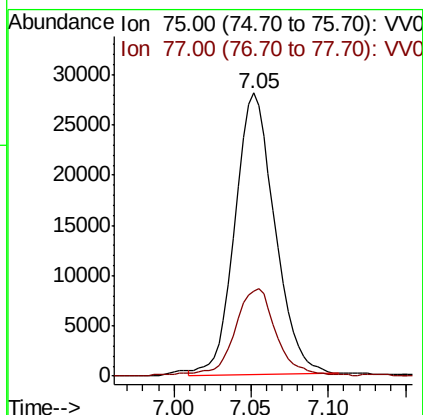
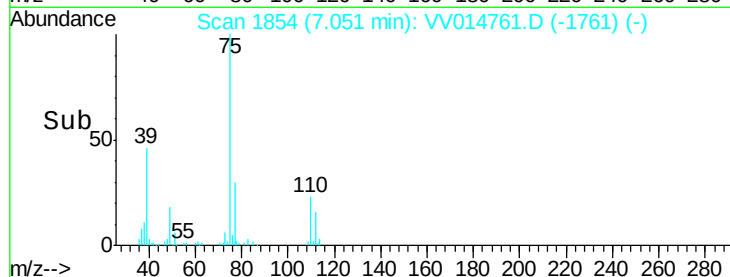
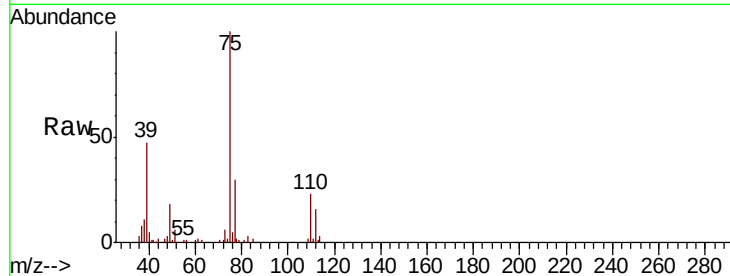




#39
 cis-1,3-Dichloropropene
 Concen: 9.783 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VV014761.D
 Acq: 06 Mar 2020 17:01

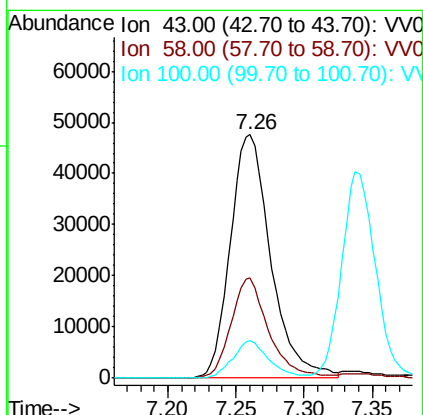
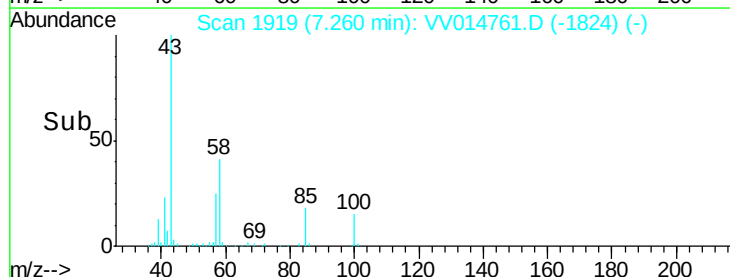
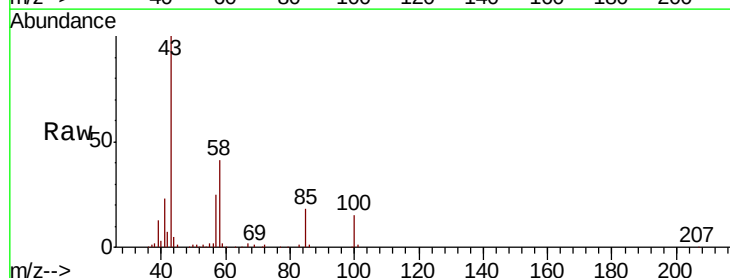
Instrument :
 MSVOA_V
 ClientSampleId :

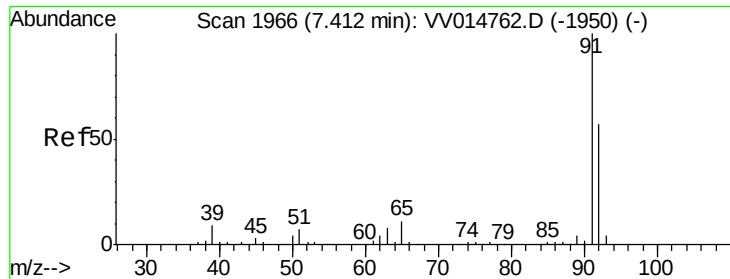
Tot Ion: 75 Resp: 50098
 Ion Ratio Lower Upper
 75 100
 77 30.1 22.8 42.4



#40
 4-Methyl-2-pentanone
 Concen: 25.500 ug/L
 RT: 7.26 min Scan# 1919
 Delta R.T. 0.01 min
 Lab File: VV014761.D
 Acq: 06 Mar 2020 17:01

Tgt Ion: 43 Resp: 97242
 Ion Ratio Lower Upper
 43 100
 58 38.4 31.0 46.4
 100 13.9 11.2 16.8





#42

Toluene

Concen: 10.723 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. -0.00 min

Lab File: VV014761.D

Acq: 06 Mar 2020 17:01

Instrument :

MSVOA_V

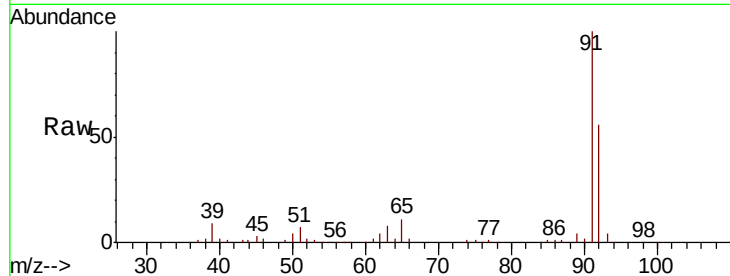
ClientSampleId :

Tot Ion: 91 Resp: 138112

Ion Ratio Lower Upper

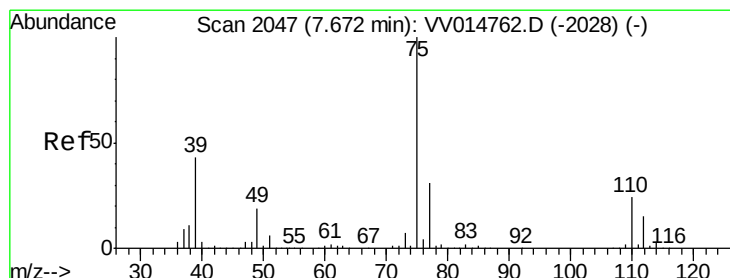
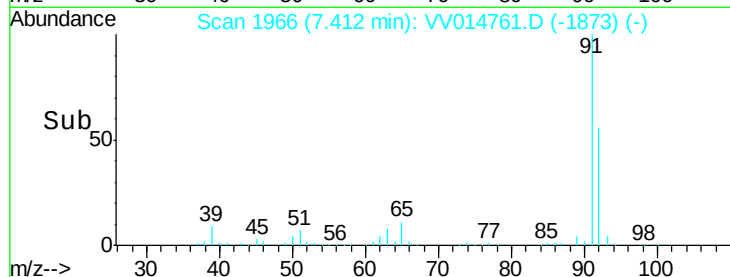
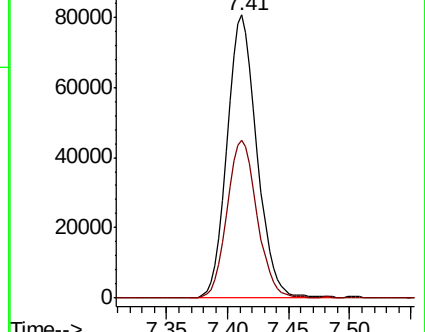
91 100

92 55.7 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV014761.D (-1954) (-)

Ion 92.00 (91.70 to 92.70): VV014761.D (-1954) (-)



#44

trans-1,3-Dichloropropene

Concen: 9.972 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.00 min

Lab File: VV014761.D

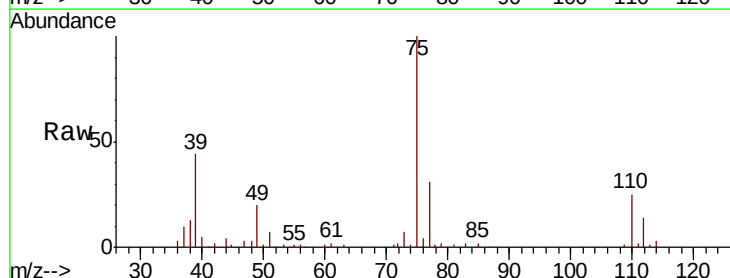
Acq: 06 Mar 2020 17:01

Tgt Ion: 75 Resp: 46532

Ion Ratio Lower Upper

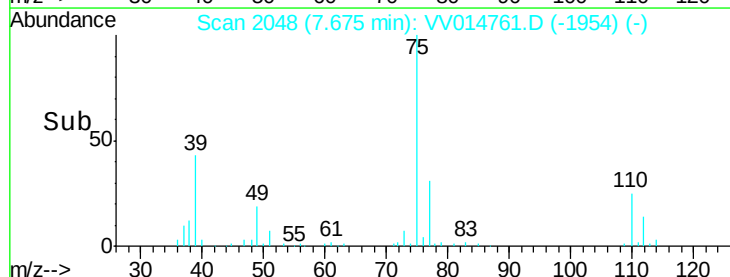
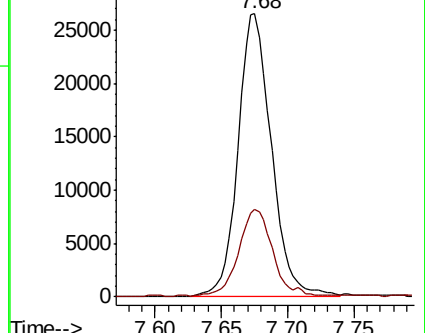
75 100

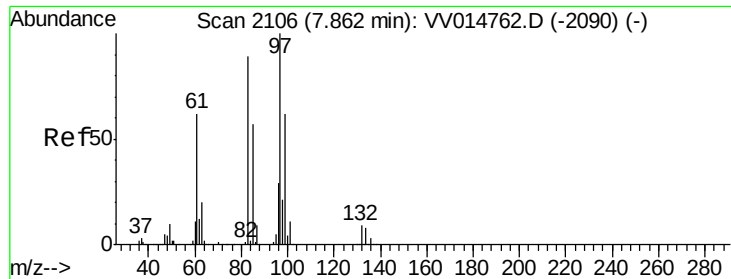
77 30.7 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VV014761.D (-1954) (-)

Ion 77.00 (76.70 to 77.70): VV014761.D (-1954) (-)

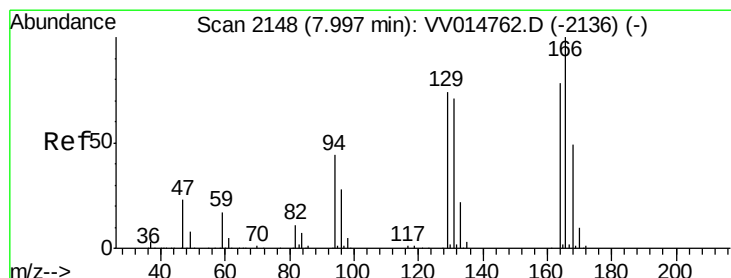
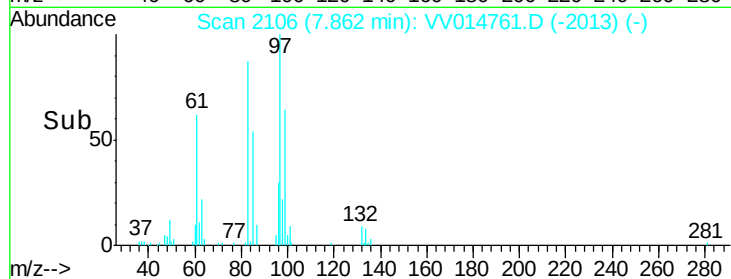
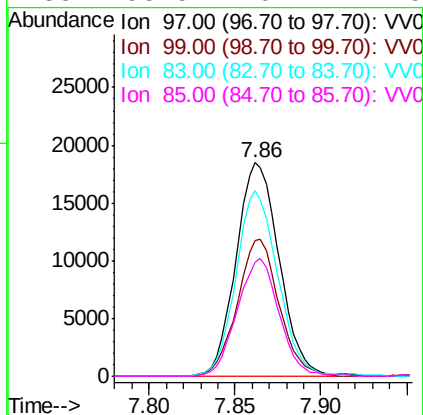
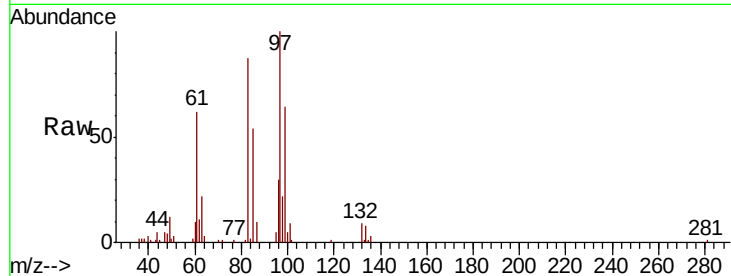




#45
 1,1,2-Trichloroethane
 Concen: 10.533 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. -0.00 min
 Lab File: VV014761.D
 Acq: 06 Mar 2020 17:01

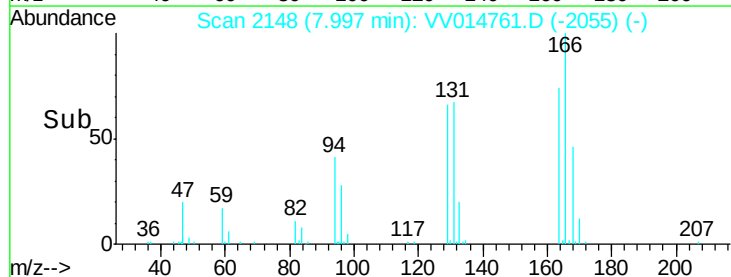
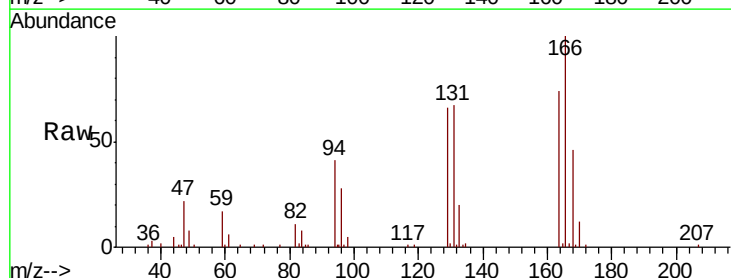
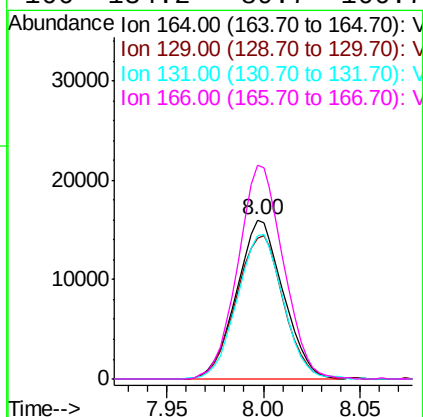
Instrument :
 MSVOA_V
 ClientSampleId :

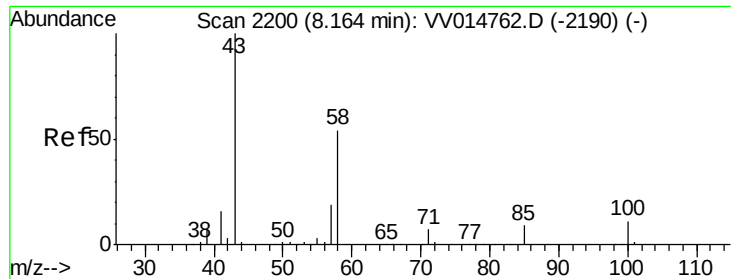
Tot Ion: 97 Resp: 32164
 Ion Ratio Lower Upper
 97 100
 99 63.7 43.1 80.1
 83 87.0 62.4 115.8
 85 53.5 40.1 74.5



#46
 Tetrachloroethene
 Concen: 10.762 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV014761.D
 Acq: 06 Mar 2020 17:01

Tgt Ion: 164 Resp: 26898
 Ion Ratio Lower Upper
 164 100
 129 88.6 66.0 122.6
 131 90.1 63.9 118.7
 166 134.2 89.7 166.7

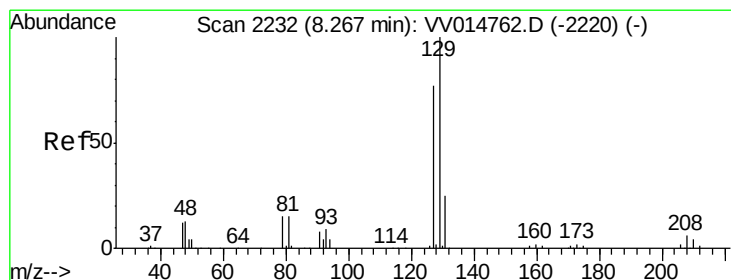
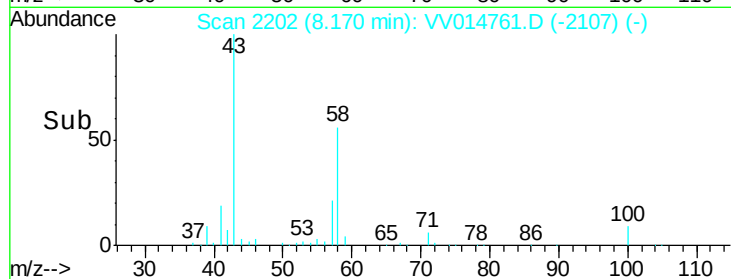
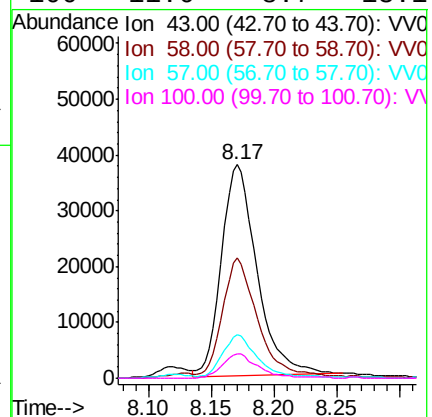
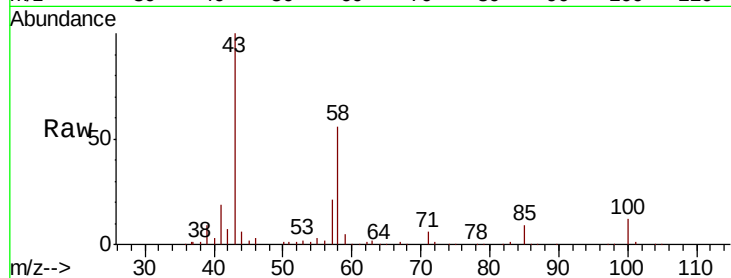




#48
2-Hexanone
Concen: 24.723 ug/L
RT: 8.17 min Scan# 2202
Delta R.T. 0.01 min
Lab File: VV014761.D
Acq: 06 Mar 2020 17:01

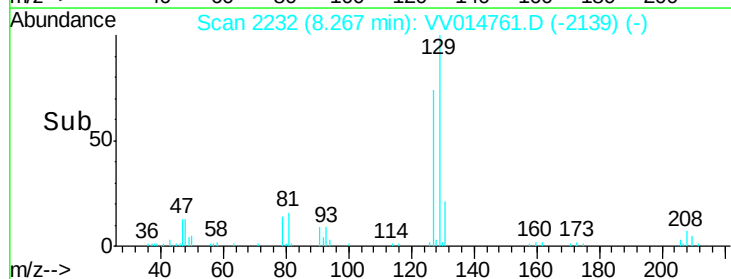
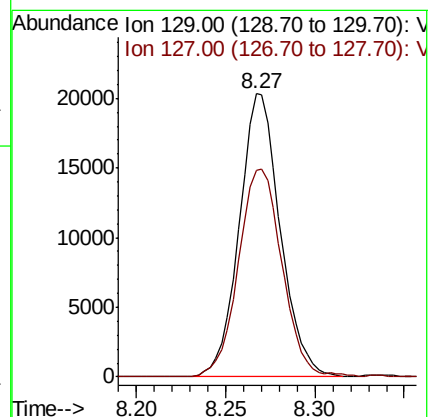
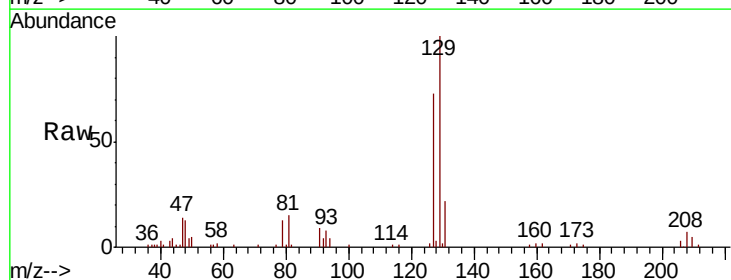
Instrument :
MSVOA_V
ClientSampled :

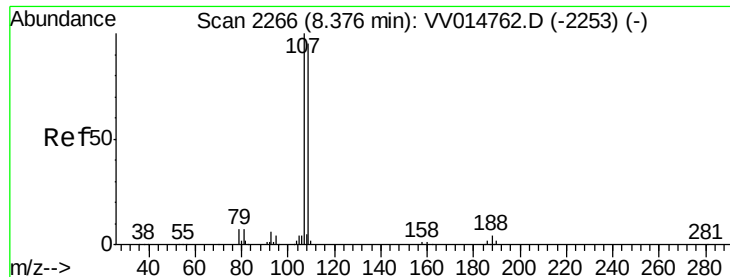
Tot Ion: 43 Resp: 74290
Ion Ratio Lower Upper
43 100
58 57.6 43.3 64.9
57 20.0 15.6 23.4
100 11.6 8.7 13.1



#49
Dibromochloromethane
Concen: 9.104 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV014761.D
Acq: 06 Mar 2020 17:01

Tgt Ion: 129 Resp: 32584
Ion Ratio Lower Upper
129 100
127 72.9 53.9 100.1

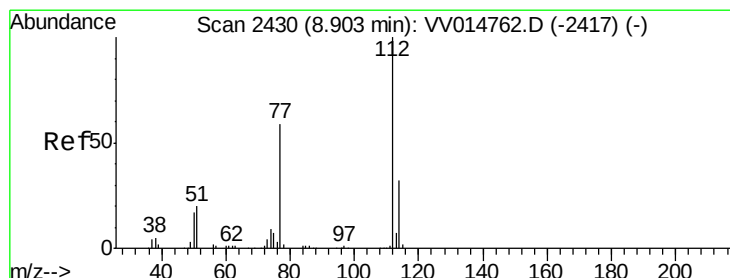
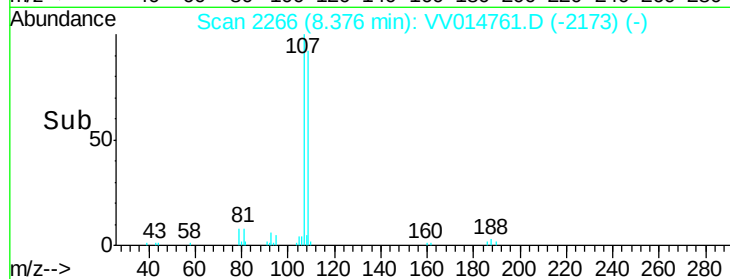
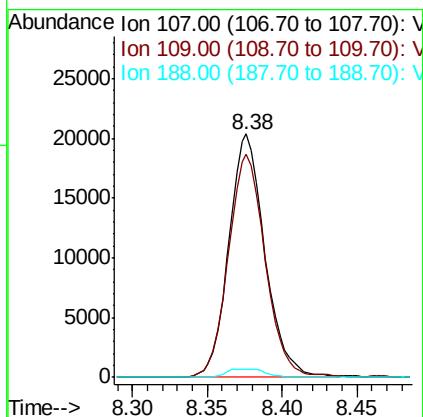
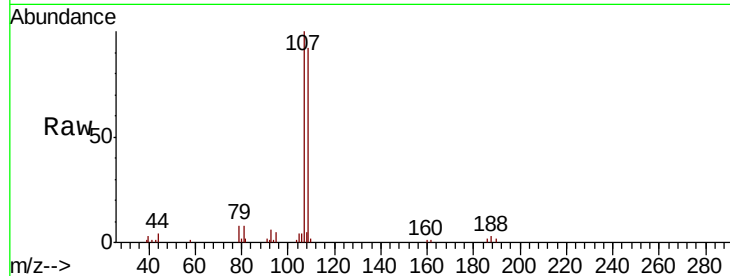




#50
1,2-Dibromoethane
Concen: 10.146 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. -0.00 min
Lab File: VV014761.D
Acq: 06 Mar 2020 17:01

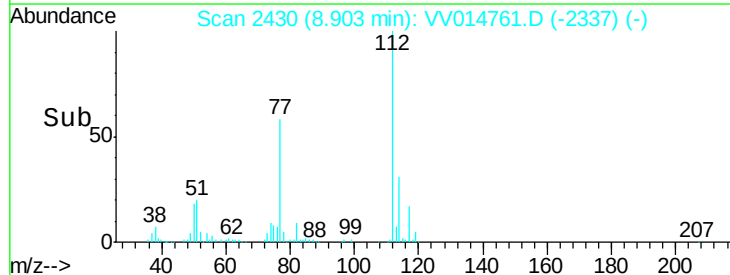
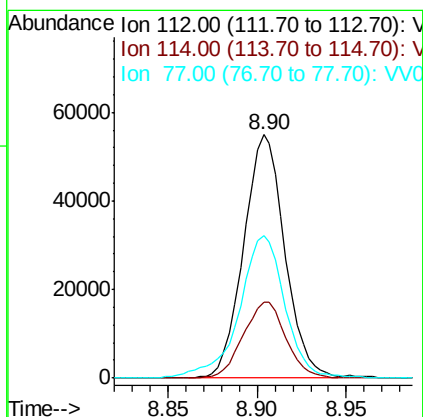
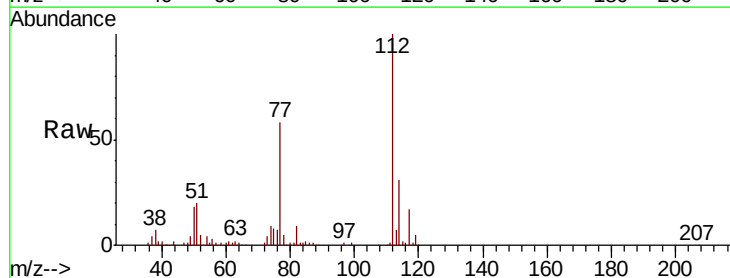
Instrument :
MSVOA_V
ClientSampled :

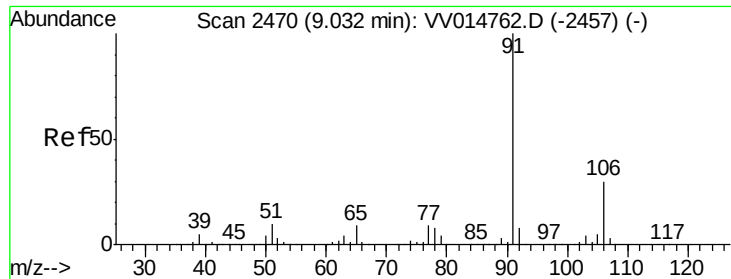
Tot Ion:107 Resp: 34228
Ion Ratio Lower Upper
107 100
109 91.6 66.6 123.6
188 3.3 3.0 4.6



#51
Chlorobenzene
Concen: 10.176 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV014761.D
Acq: 06 Mar 2020 17:01

Tgt Ion:112 Resp: 88456
Ion Ratio Lower Upper
112 100
114 31.4 22.1 41.1
77 58.3 47.8 71.8

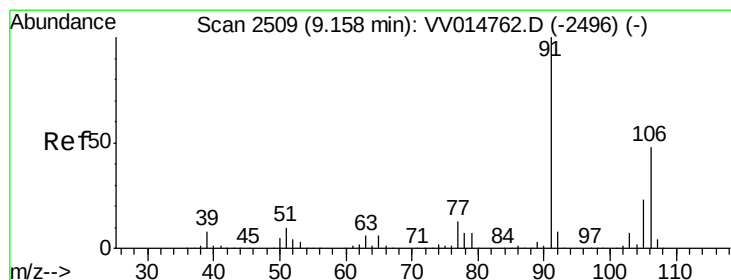
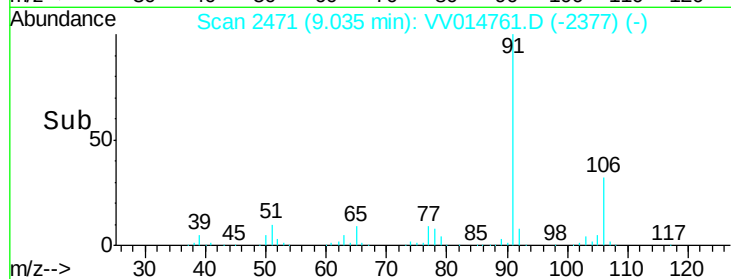
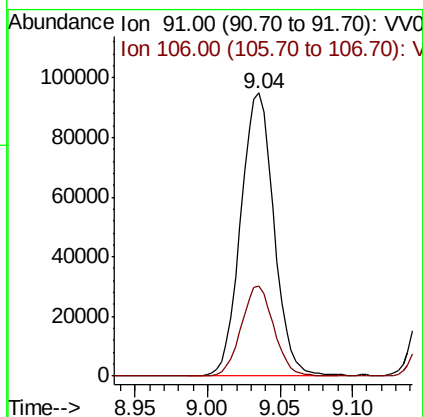
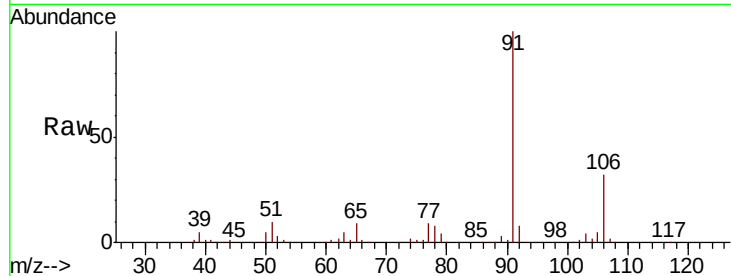




#52
Ethylbenzene
Concen: 10.280 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV014761.D
Acq: 06 Mar 2020 17:01

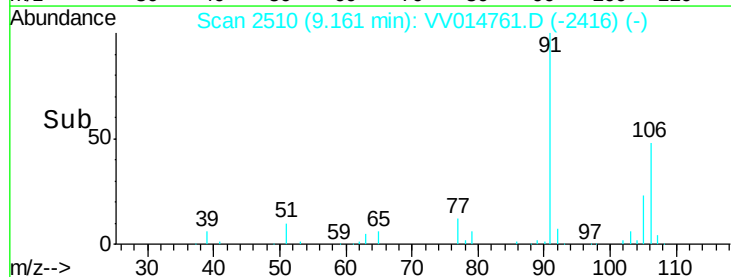
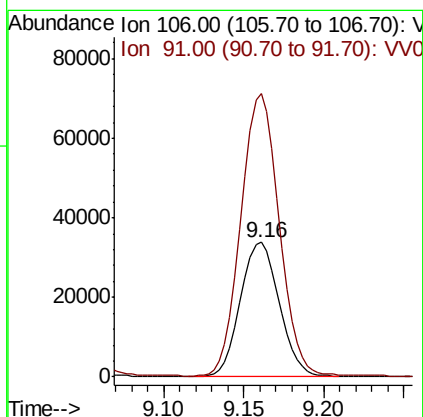
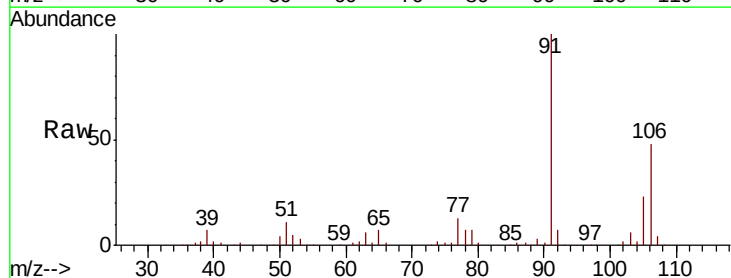
Instrument :
MSVOA_V
ClientSampled :

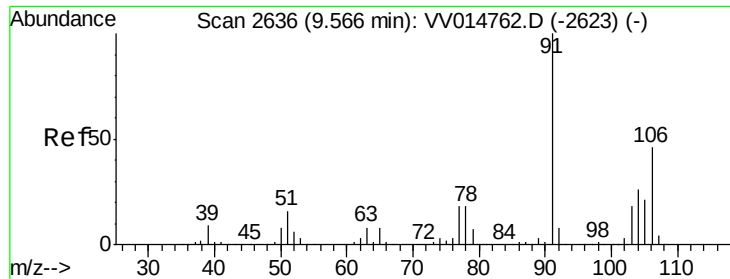
Tot Ion: 91 Resp: 151523
Ion Ratio Lower Upper
91 100
106 31.6 21.3 39.6



#53
m,p-Xylene
Concen: 9.971 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV014761.D
Acq: 06 Mar 2020 17:01

Tgt Ion: 106 Resp: 56316
Ion Ratio Lower Upper
106 100
91 210.5 145.1 269.5

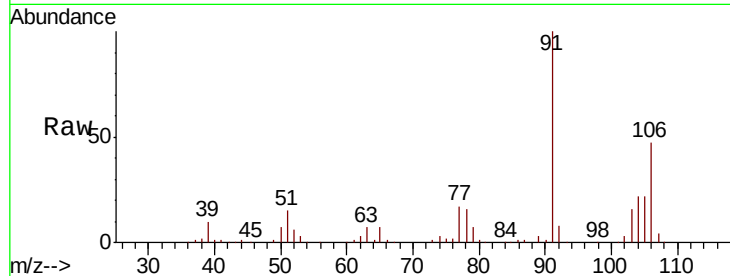




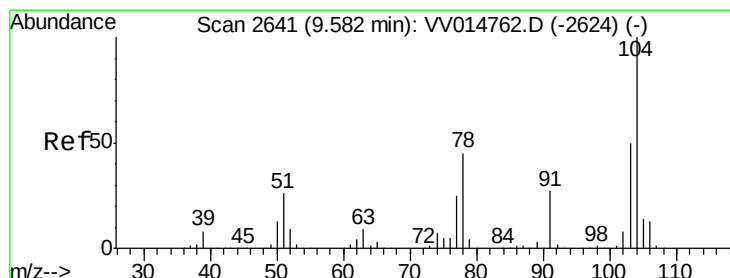
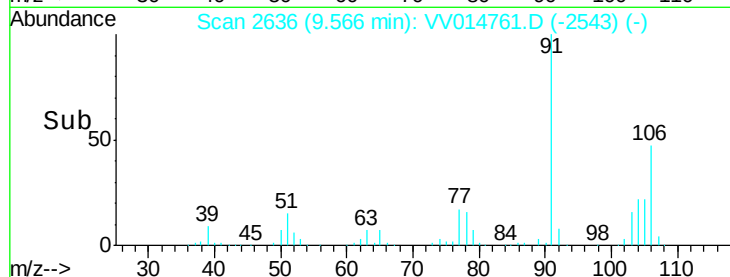
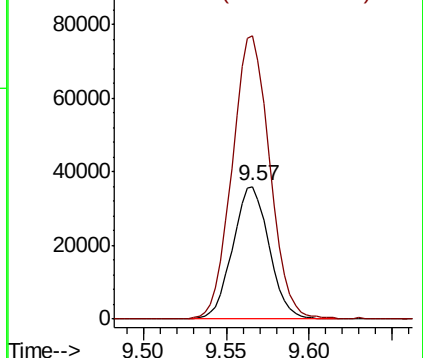
#54
o-xylene
Concen: 9.974 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. -0.00 min
Lab File: VV014761.D
Acq: 06 Mar 2020 17:01

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 55129
Ion Ratio Lower Upper
106 100
91 213.4 152.5 283.3

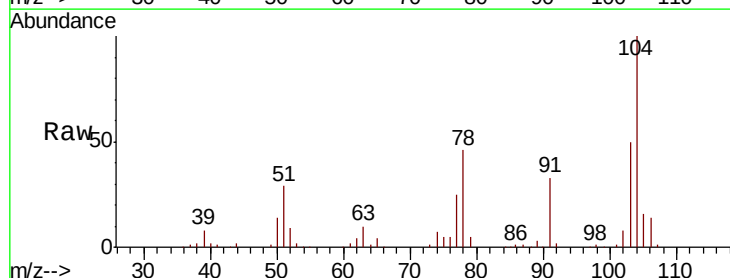


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

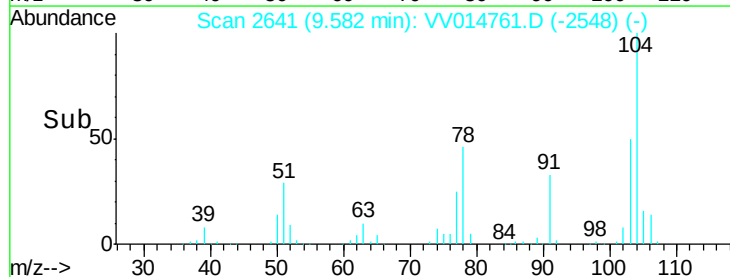
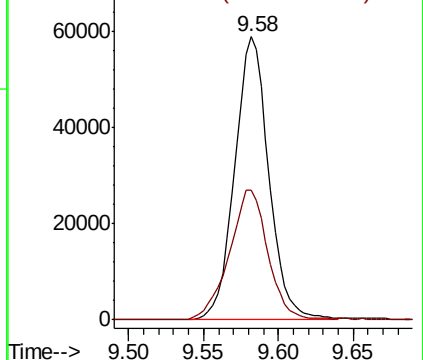


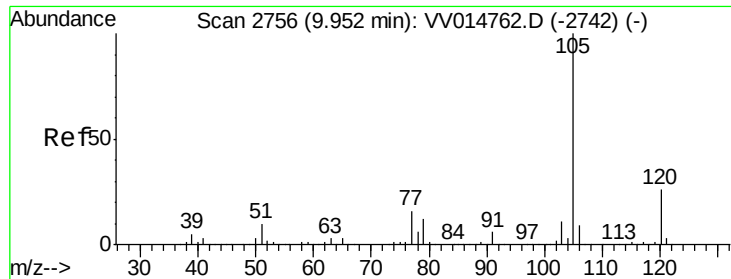
#55
Styrene
Concen: 10.106 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV014761.D
Acq: 06 Mar 2020 17:01

Tgt Ion:104 Resp: 93580
Ion Ratio Lower Upper
104 100
78 45.9 31.6 58.6



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





#56

Isopropylbenzene

Concen: 10.086 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV014761.D

Acq: 06 Mar 2020 17:01

Instrument :

MSVOA_V

ClientSampled :

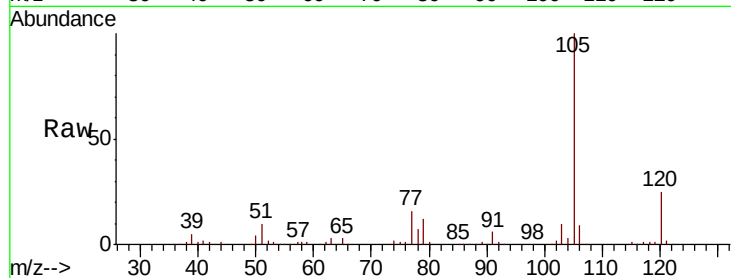
Tot Ion:105 Resp: 147222

Ion Ratio Lower Upper

105 100

120 25.4 20.6 31.0

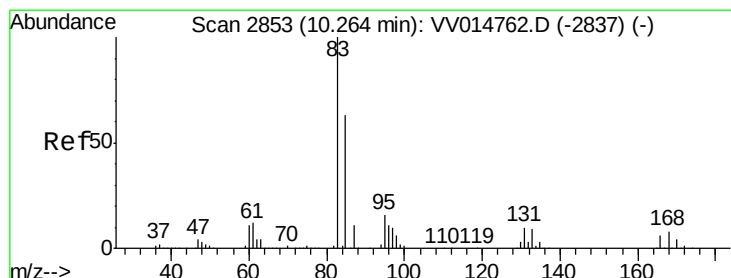
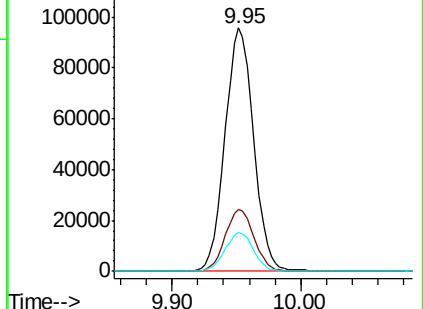
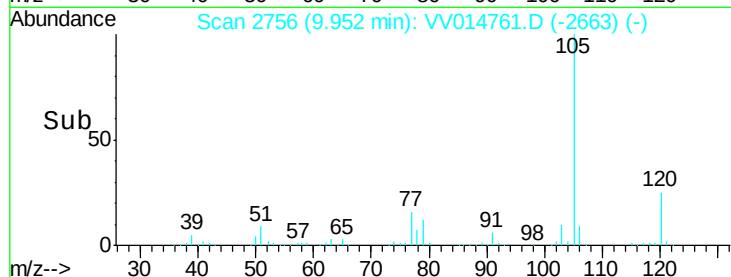
77 15.9 12.7 19.1



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: 11.104 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV014761.D

Acq: 06 Mar 2020 17:01

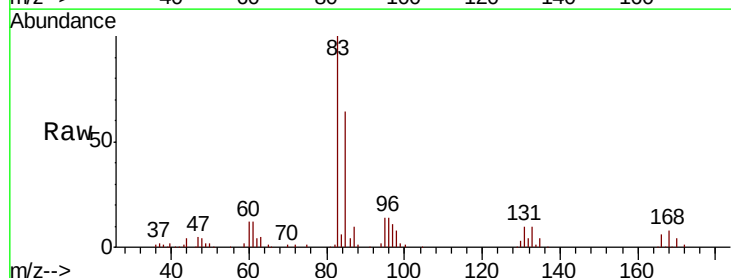
Tgt Ion: 83 Resp: 53518

Ion Ratio Lower Upper

83 100

85 64.1 44.4 82.5

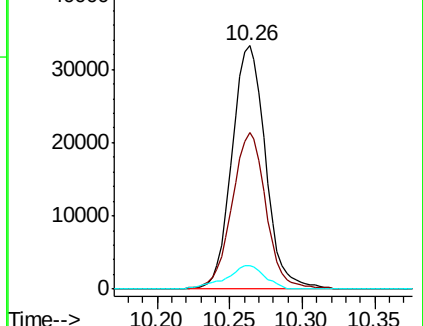
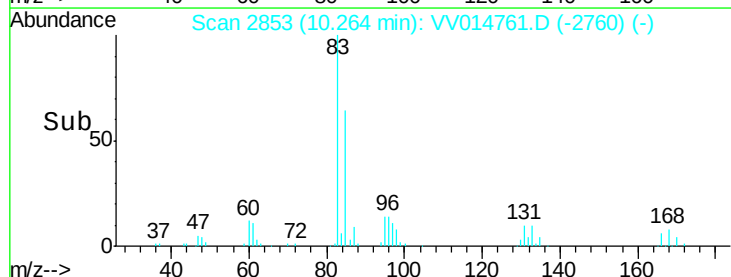
131 9.5 7.8 11.8

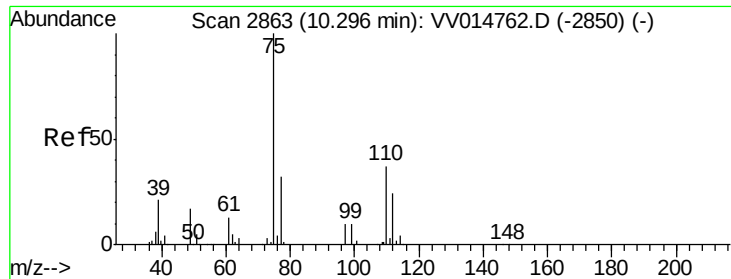


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

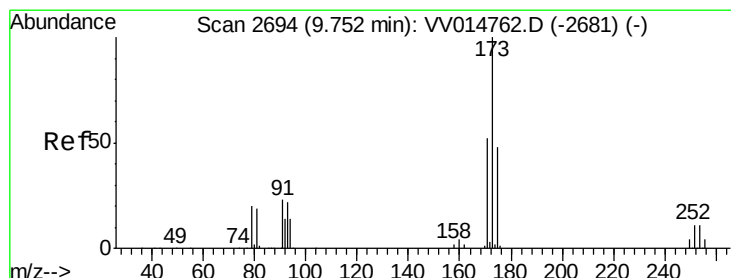
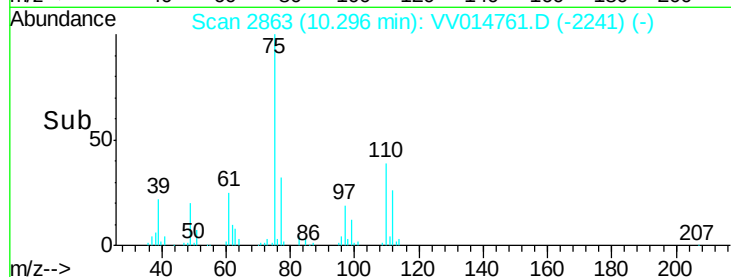
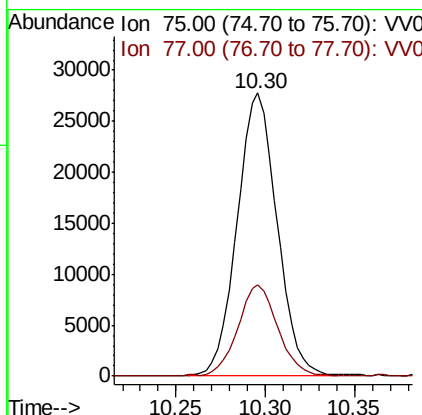
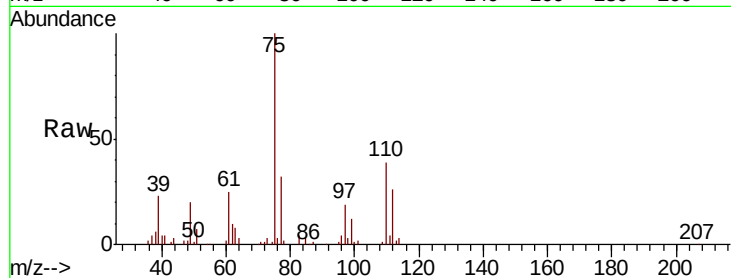




#59
 1,2,3-Trichloropropane
 Concen: 11.016 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VV014761.D
 Acq: 06 Mar 2020 17:01

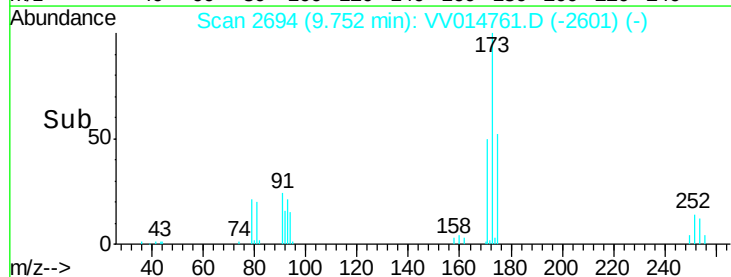
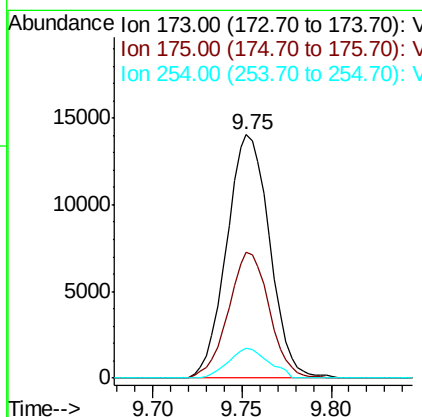
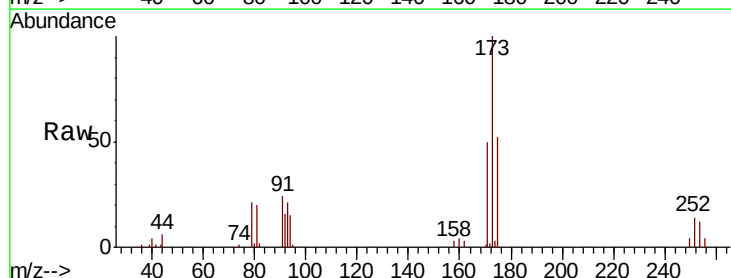
Instrument :
 MSVOA_V
 ClientSampleId :

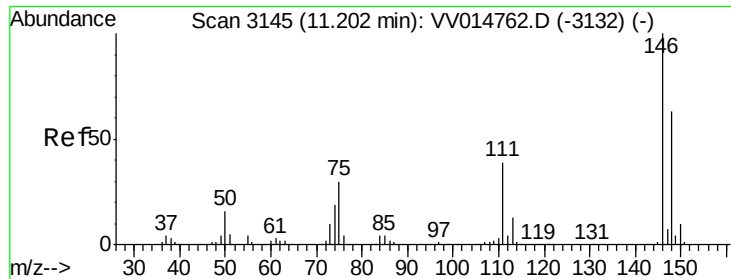
Tot Ion: 75 Resp: 43574
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.6 38.4



#61
 Bromoform
 Concen: 9.546 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VV014761.D
 Acq: 06 Mar 2020 17:01

Tgt Ion: 173 Resp: 23572
 Ion Ratio Lower Upper
 173 100
 175 49.2 39.0 58.4
 254 11.5 8.6 13.0





#62

1,3-Dichlorobenzene

Concen: 10.285 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV014761.D

Acq: 06 Mar 2020 17:01

Instrument :

MSVOA_V

ClientSampleId :

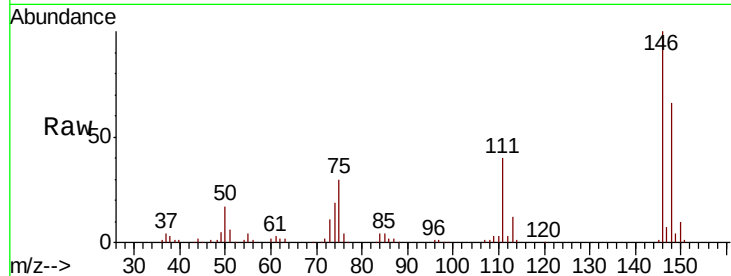
Tot Ion:146 Resp: 71659

Ion Ratio Lower Upper

146 100

111 40.2 27.2 50.4

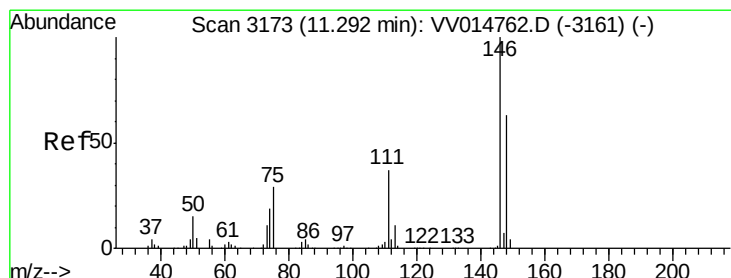
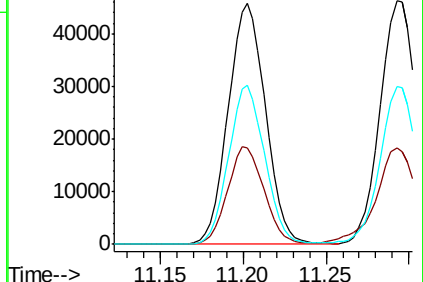
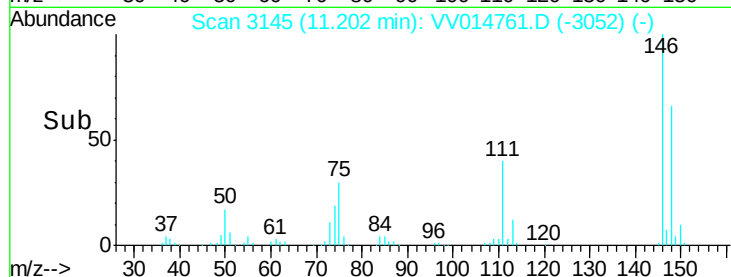
148 66.1 44.2 82.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 10.130 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV014761.D

Acq: 06 Mar 2020 17:01

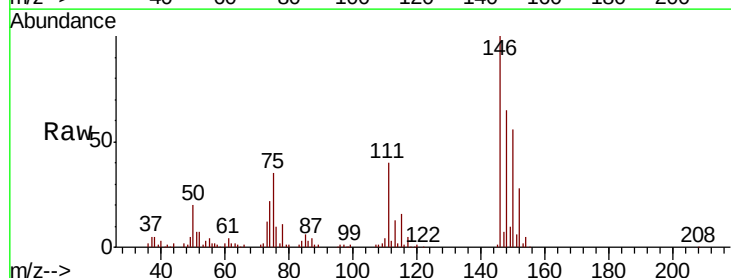
Tgt Ion:146 Resp: 72447

Ion Ratio Lower Upper

146 100

111 39.7 26.3 48.9

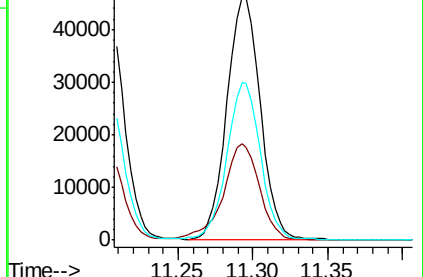
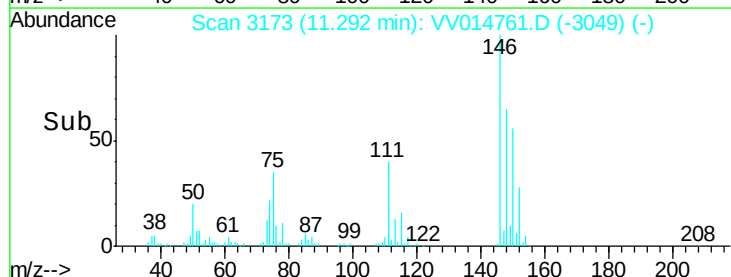
148 64.7 44.0 81.8

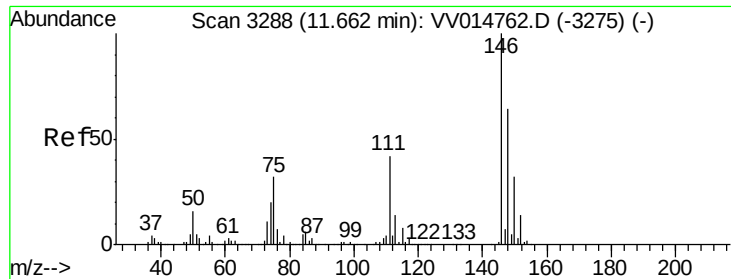


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 10.338 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV014761.D

Acq: 06 Mar 2020 17:01

Instrument :

MSVOA_V

ClientSampleId :

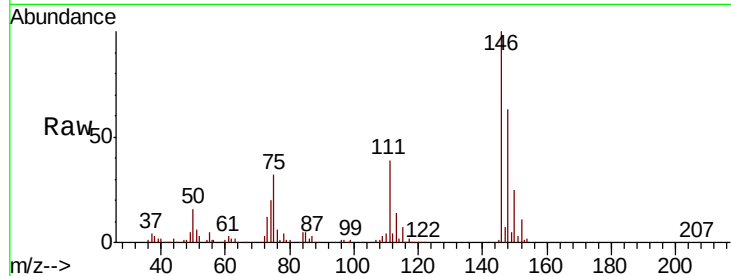
Tot Ion:146 Resp: 71612

Ion Ratio Lower Upper

146 100

111 39.3 33.9 50.9

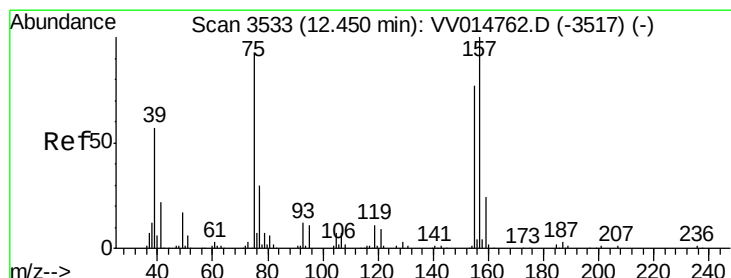
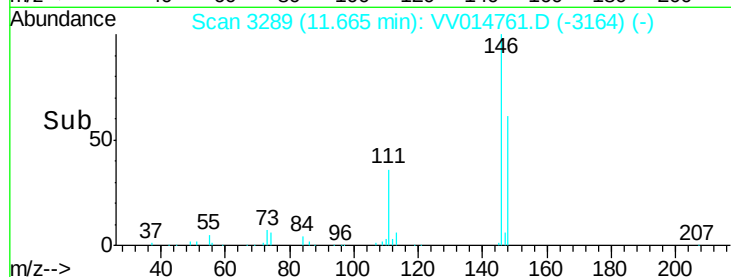
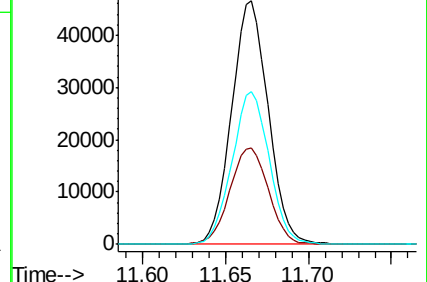
148 62.6 51.4 77.0



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: 9.856 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV014761.D

Acq: 06 Mar 2020 17:01

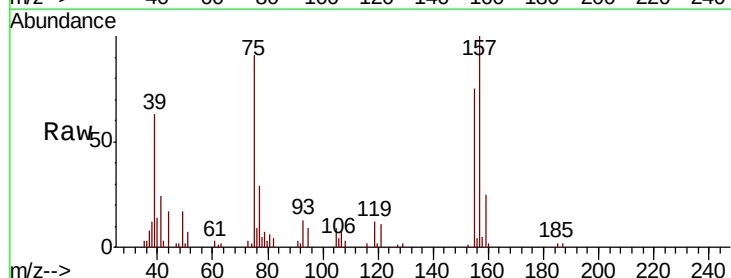
Tgt Ion: 75 Resp: 11579

Ion Ratio Lower Upper

75 100

155 82.1 66.4 99.6

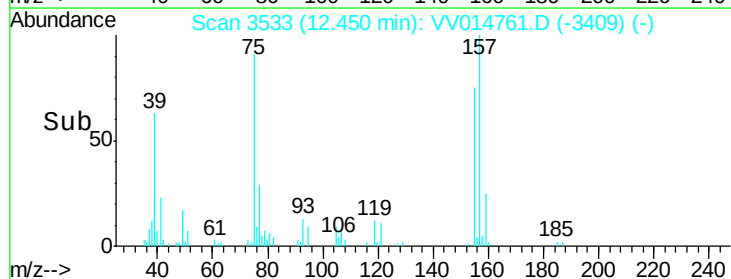
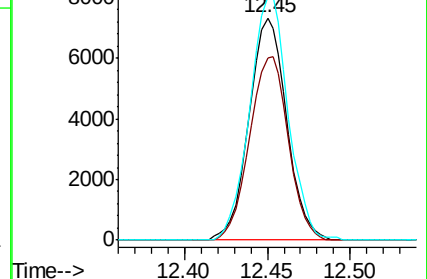
157 109.6 86.1 129.1

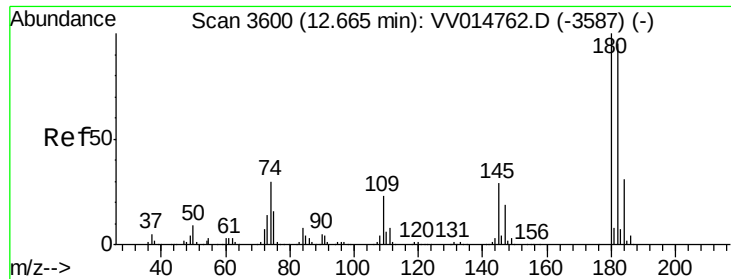


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

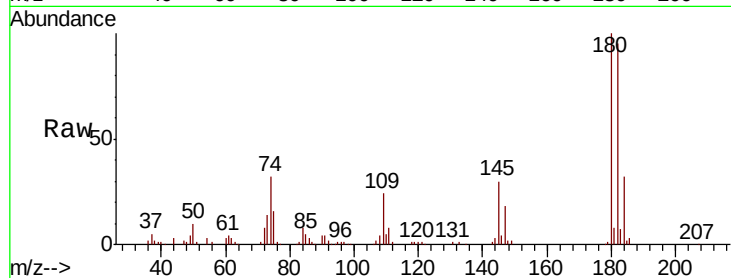




#67
 1,3,5-Trichlorobenzene
 Concen: 10.524 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV014761.D
 Acq: 06 Mar 2020 17:01

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.6	113.4
184	30.8	24.8	37.2
145	29.6	23.3	34.9

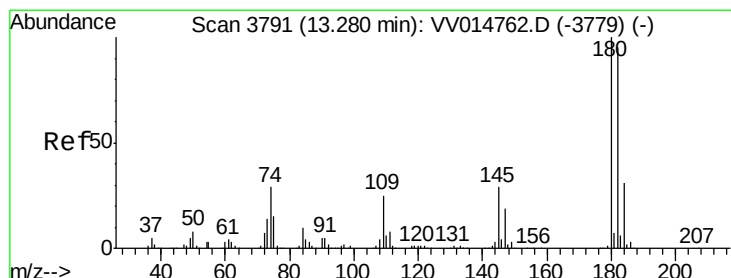
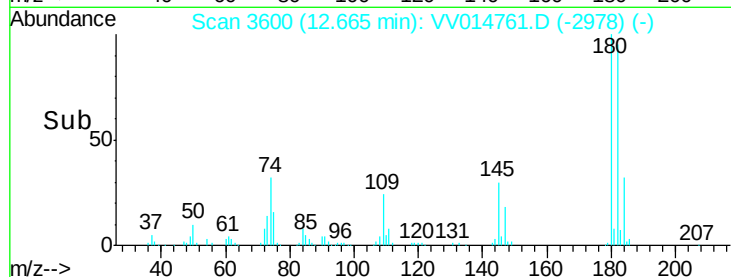
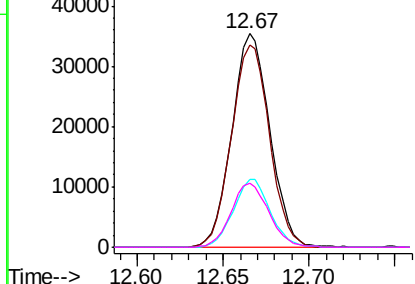


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

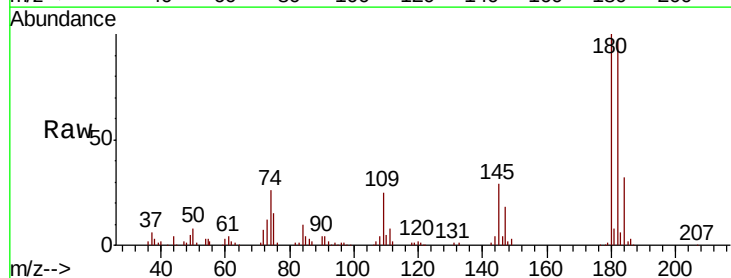
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 10.219 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV014761.D
 Acq: 06 Mar 2020 17:01

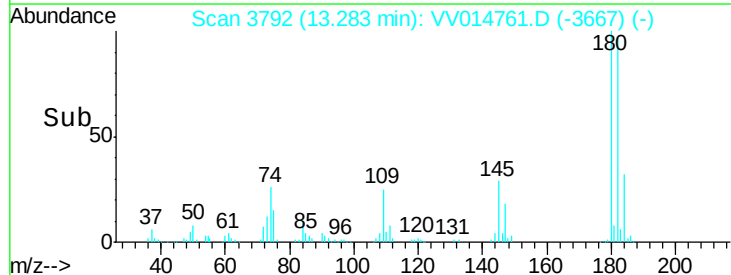
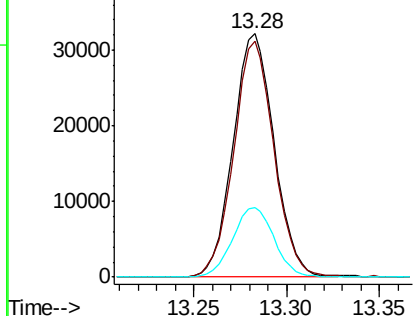
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.6	114.8
145	28.9	23.4	35.0

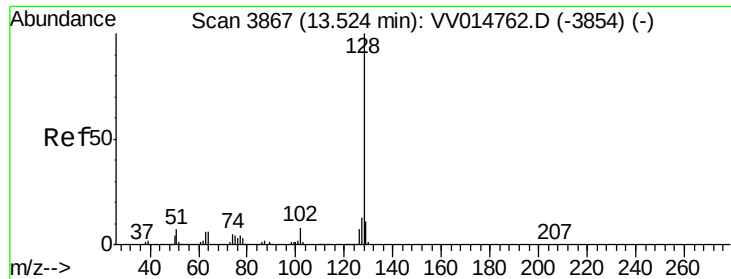


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 5.123 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV014761.D

Acq: 06 Mar 2020 17:01

Instrument :

MSVOA_V

ClientSampleId :

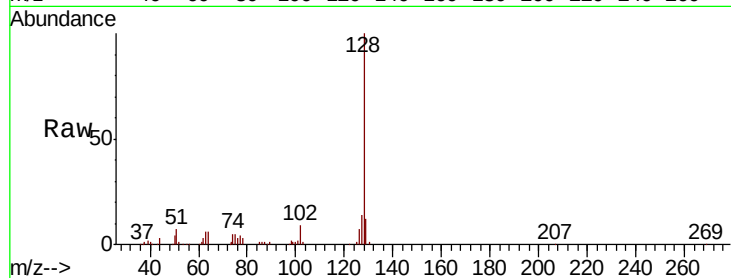
Tot Ion:128 Resp: 73480

Ion Ratio Lower Upper

128 100

127 13.4 10.3 15.5

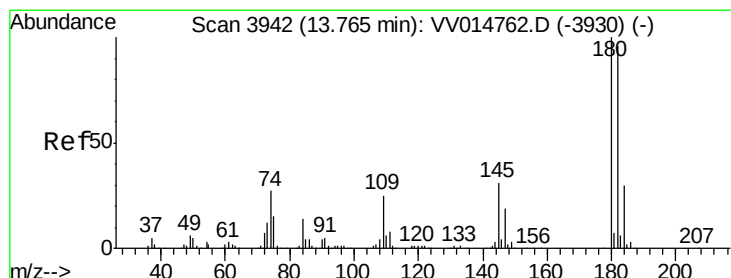
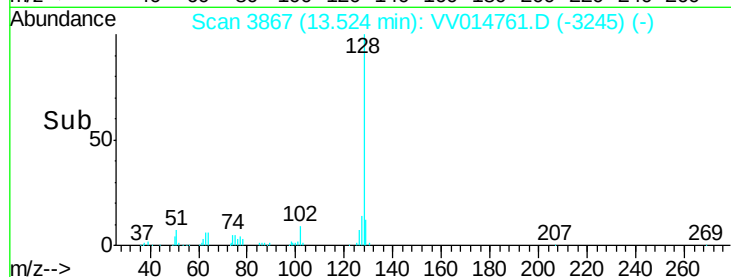
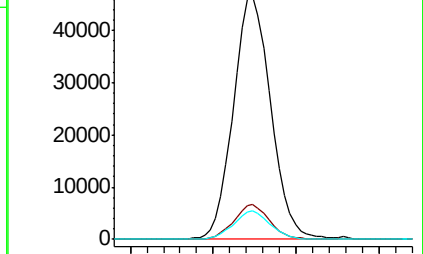
129 11.4 8.5 12.7



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: 9.847 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV014761.D

Acq: 06 Mar 2020 17:01

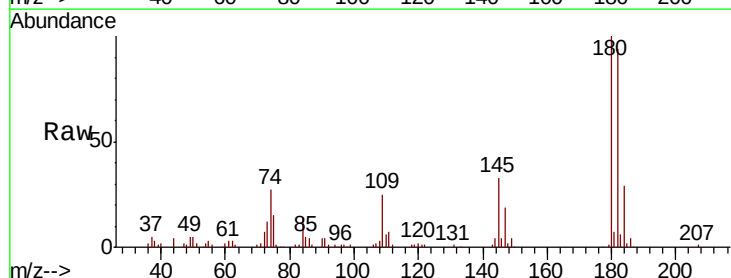
Tgt Ion:180 Resp: 48909

Ion Ratio Lower Upper

180 100

182 96.8 76.5 114.7

145 32.2 25.0 37.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

