

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051820\
 Data File : VV016091.D
 Acq On : 18 May 2020 10:51
 Operator : SY/MD
 Sample : VSTD01062
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 19 03:13:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM051820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 19 03:10:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	315289	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	308987	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	148176	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	23196	8.47	ug/L	0.00
7) Chloroethane-d5	1.58	69	20389	8.65	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	42815	8.68	ug/L	0.00
21) 2-Butanone-d5	3.94	46	25311	16.93	ug/L	0.00
24) Chloroform-d	4.37	84	42941	9.33	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	30257	10.27	ug/L	0.00
32) Benzene-d6	5.07	84	82592	8.71	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	25996	9.25	ug/L	0.00
41) Toluene-d8	7.34	98	74465	8.25	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	12144	7.86	ug/L	0.00
47) 2-Hexanone-d5	8.12	63	14655	11.91	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	32439	8.28	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	28806	8.66	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	25350	9.247 ug/L	99
3) Chloromethane	1.25	50	26258	9.988 ug/L	97
5) Vinyl chloride	1.32	62	25839	9.474 ug/L	97
6) Bromomethane	1.53	94	14890	8.396 ug/L	98
8) Chloroethane	1.60	64	16799	8.907 ug/L	97
9) Trichlorofluoromethane	1.76	101	34066	6.930 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	21282	9.292 ug/L	99
12) 1,1-Dichloroethene	2.13	96	19137	8.906 ug/L	85
13) Acetone	2.21	43	29447	28.833 ug/L	96
14) Carbon disulfide	2.31	76	53280	8.841 ug/L	100
15) Methyl Acetate	2.46	43	22077	10.341 ug/L	99
16) Methylene chloride	2.52	84	24687	10.512 ug/L	96
17) trans-1,2-Dichloroethene	2.78	96	20710	9.805 ug/L	100
18) Methyl tert-butyl Ether	2.79	73	70016	9.983 ug/L	99
19) 1,1-Dichloroethane	3.21	63	42914	10.930 ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	22707	9.404 ug/L	93
22) 2-Butanone	4.02	43	28343	19.594 ug/L	99
23) Bromochloromethane	4.28	128	12271	10.069 ug/L	89
25) Chloroform	4.40	83	45014	10.546 ug/L	95
27) 1,2-Dichloroethane	5.16	62	35160	10.845 ug/L	99
29) Cyclohexane	4.70	56	34577	9.437 ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	39597	10.092 ug/L	99
31) Carbon tetrachloride	4.85	117	33171	9.916 ug/L	99
33) Benzene	5.12	78	87813	9.721 ug/L	100
34) Trichloroethene	5.94	95	22861	9.601 ug/L	96
35) Methylcyclohexane	6.15	83	34507	8.884 ug/L	99
37) 1,2-Dichloropropane	6.20	63	24162	10.720 ug/L	99
38) Bromodichloromethane	6.53	83	31378	9.686 ug/L	95
39) cis-1,3-Dichloropropene	7.05	75	32536	8.724 ug/L	95
40) 4-Methyl-2-pentanone	7.26	43	59080	18.902 ug/L	97

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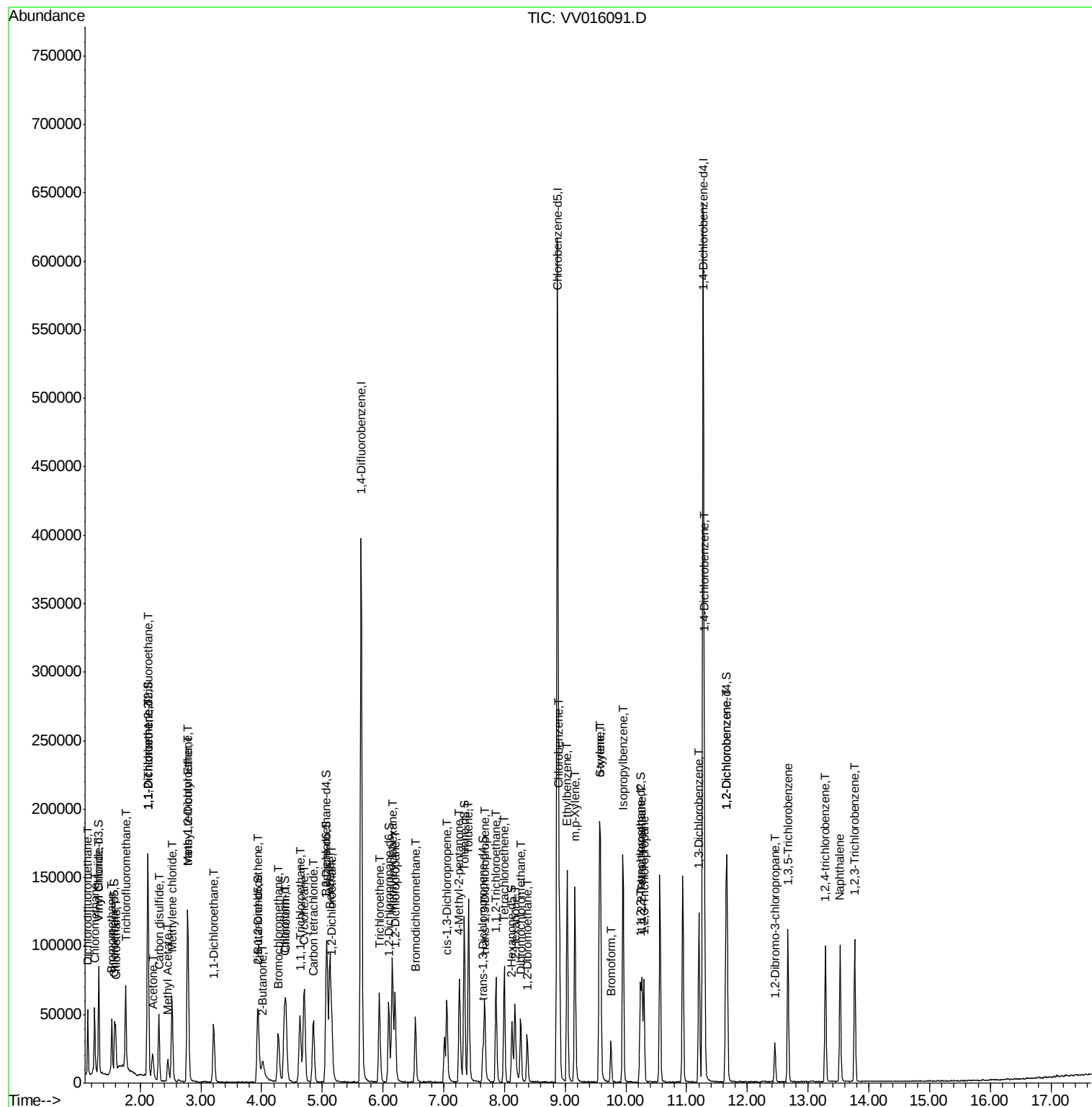
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	92636	9.272	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	33781	9.244	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	22168	9.574	ug/L	98
46) Tetrachloroethene	8.00	164	17903	10.400	ug/L	94
48) 2-Hexanone	8.17	43	42563	18.048	ug/L	99
49) Dibromochloromethane	8.27	129	21401	8.439	ug/L	98
50) 1,2-Dibromoethane	8.37	107	22399	9.135	ug/L	100
51) Chlorobenzene	8.90	112	60997	9.343	ug/L	100
52) Ethylbenzene	9.03	91	101792	9.078	ug/L	100
53) m,p-Xylene	9.16	106	38447	8.961	ug/L	97
54) o-xylene	9.56	106	36696	8.565	ug/L	100
55) Styrene	9.58	104	61838	8.594	ug/L	98
56) Isopropylbenzene	9.95	105	97668	8.743	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	33573	9.047	ug/L	97
59) 1,2,3-Trichloropropane	10.30	75	28287	9.523	ug/L	100
61) Bromoform	9.75	173	12383	7.718	ug/L	97
62) 1,3-Dichlorobenzene	11.20	146	46053	9.444	ug/L	97
63) 1,4-Dichlorobenzene	11.30	146	46555	9.371	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	47491	9.579	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	6895	7.276	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	30614	9.400	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	26648	8.961	ug/L	98
69) Naphthalene	13.53	128	75182	6.863	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	27824	9.075	ug/L	99

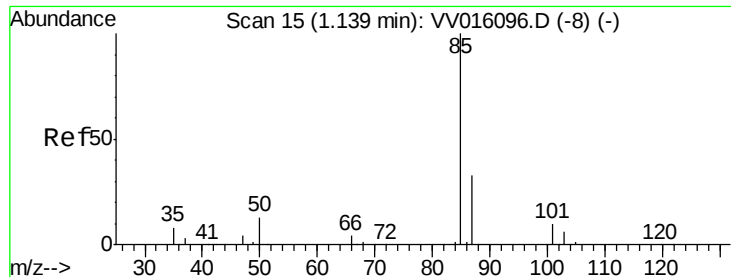
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 9.247 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV016091.D

Acq: 18 May 2020 10:51

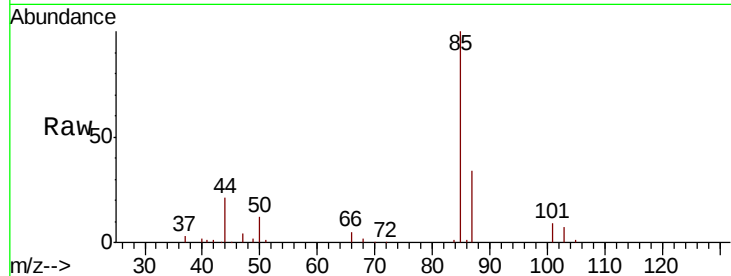
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 25350

Ion Ratio Lower Upper

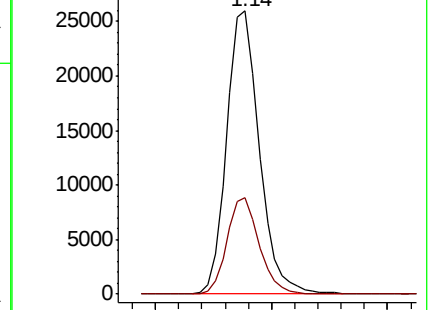
85 100

87 33.2 26.1 39.1

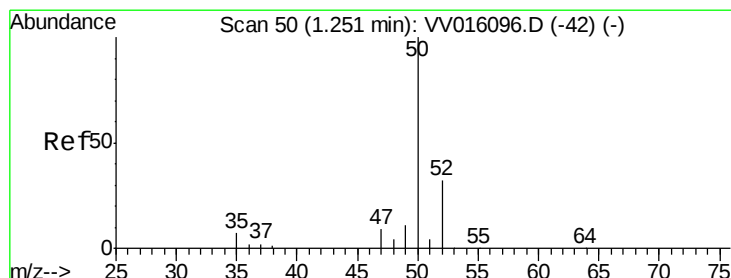
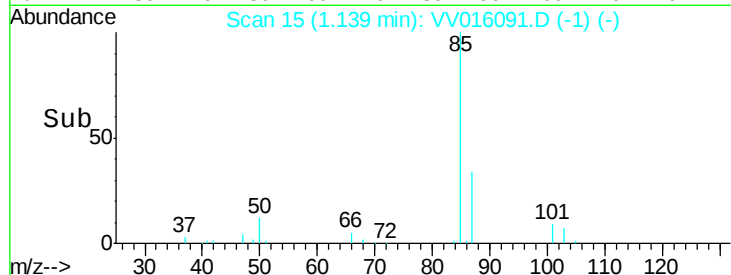


Abundance Ion 85.00 (84.70 to 85.70): VV016091.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV016091.D (-1) (-)



Time-->



#3

Chloromethane

Concen: 9.988 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV016091.D

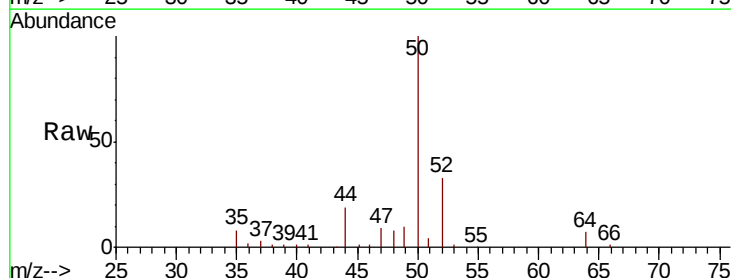
Acq: 18 May 2020 10:51

Tgt Ion: 50 Resp: 26258

Ion Ratio Lower Upper

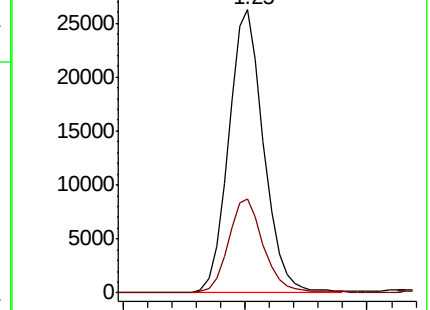
50 100

52 33.2 22.2 41.2

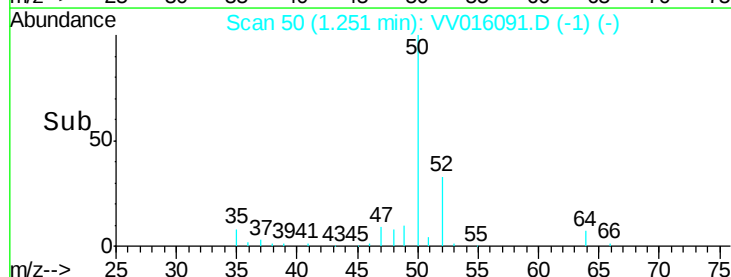


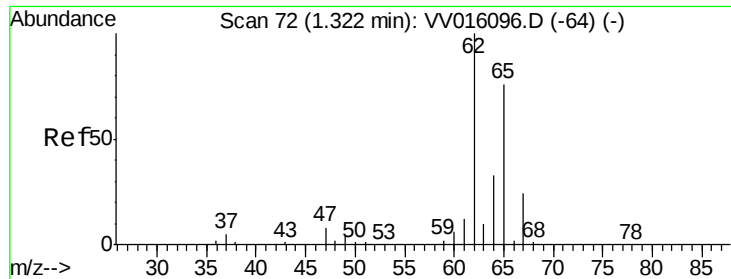
Abundance Ion 50.00 (49.70 to 50.70): VV016091.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV016091.D (-1) (-)



Time-->





#5

Vinyl chloride

Concen: 9.474 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV016091.D

Acq: 18 May 2020 10:51

Instrument :

MSVOA_V

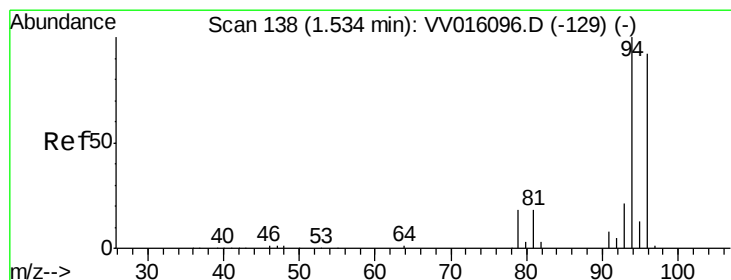
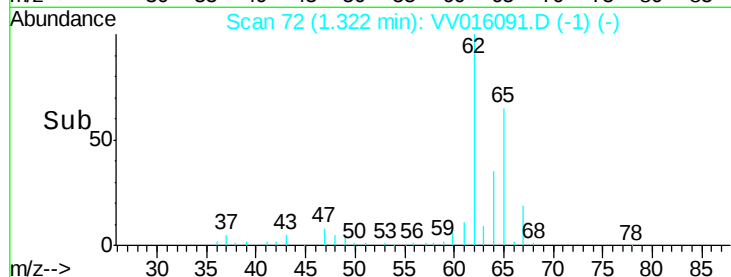
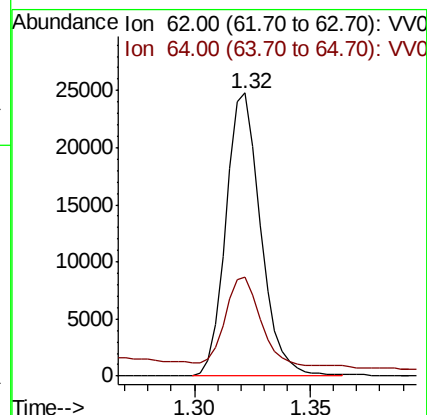
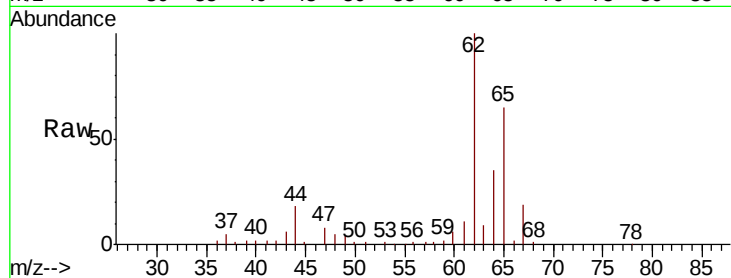
ClientSampled :

Tot Ion: 62 Resp: 25839

Ion Ratio Lower Upper

62 100

64 35.0 23.2 43.0



#6

Bromomethane

Concen: 8.396 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV016091.D

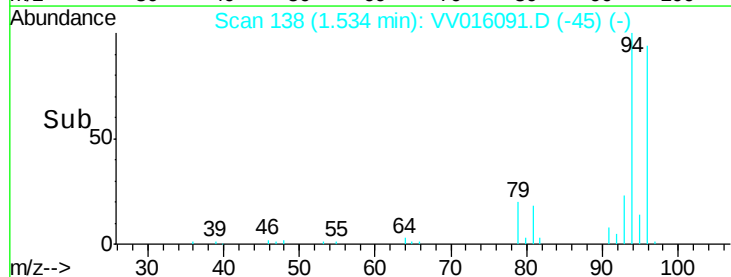
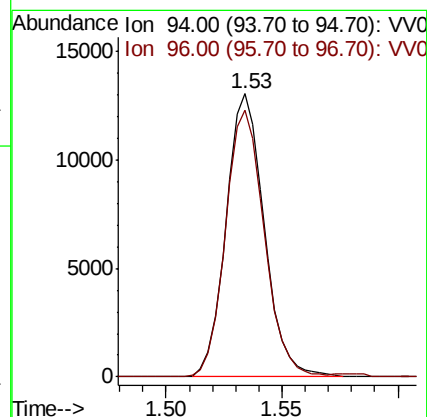
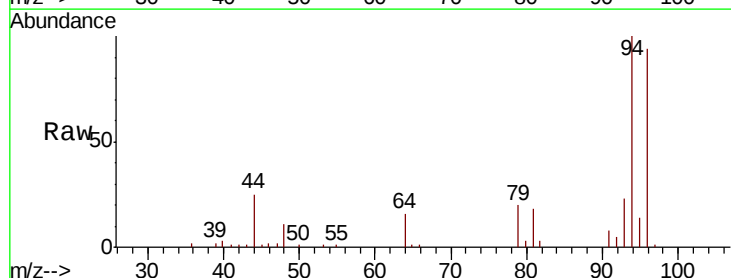
Acq: 18 May 2020 10:51

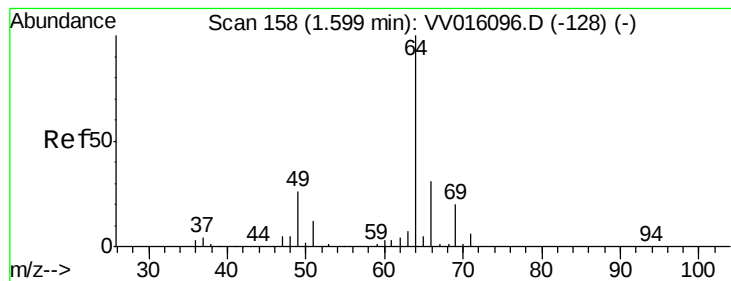
Tgt Ion: 94 Resp: 14890

Ion Ratio Lower Upper

94 100

96 94.4 64.5 119.9





#8

Chloroethane

Concen: 8.907 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV016091.D

Acq: 18 May 2020 10:51

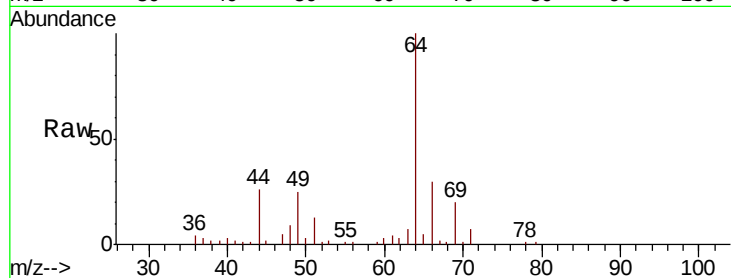
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 16799

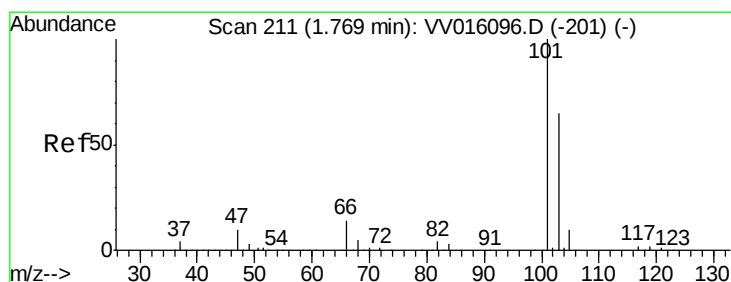
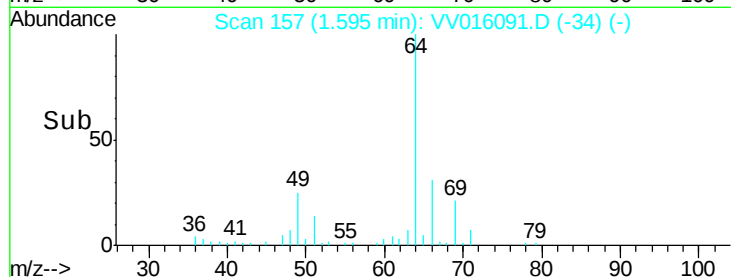
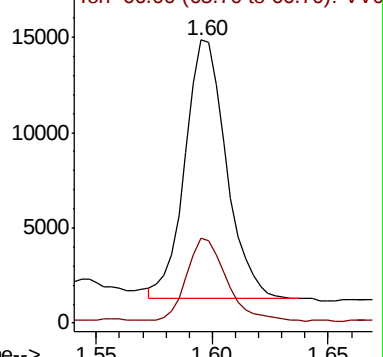
Ion Ratio Lower Upper

64 100

66 29.8 22.0 40.8



Abundance Ion 64.00 (63.70 to 64.70): VV016091.D (-34) (-)



#9

Trichlorofluoromethane

Concen: 6.930 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.01 min

Lab File: VV016091.D

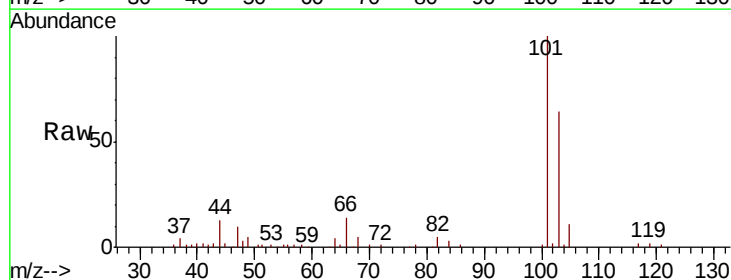
Acq: 18 May 2020 10:51

Tgt Ion: 101 Resp: 34066

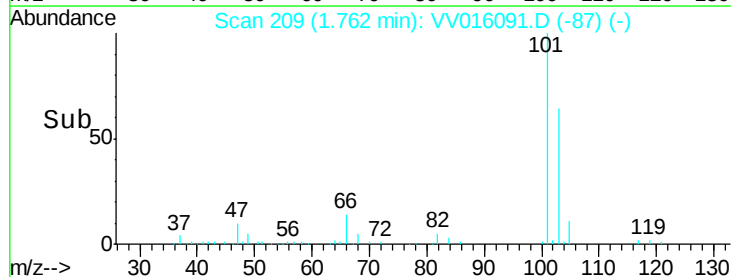
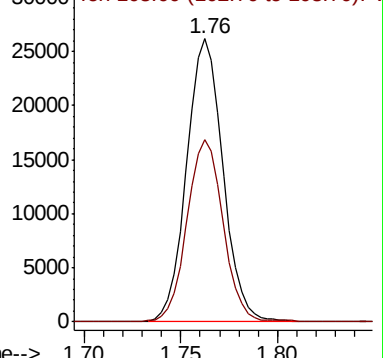
Ion Ratio Lower Upper

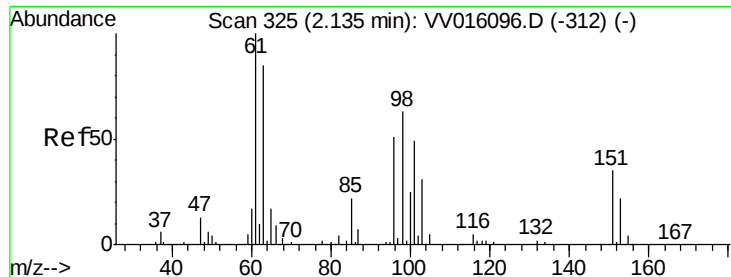
101 100

103 63.6 52.2 78.2



Abundance Ion 101.00 (100.70 to 101.70): VV016091.D (-87) (-)





#10

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

Concen: 9.292 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV016091.D

Acq: 18 May 2020 10:51

Instrument :

MSVOA_V

ClientSampleId :

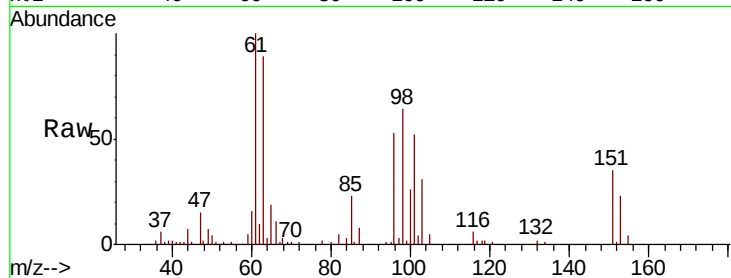
Tot Ion:101 Resp: 21282

Ion Ratio Lower Upper

101 100

85 45.0 36.2 54.4

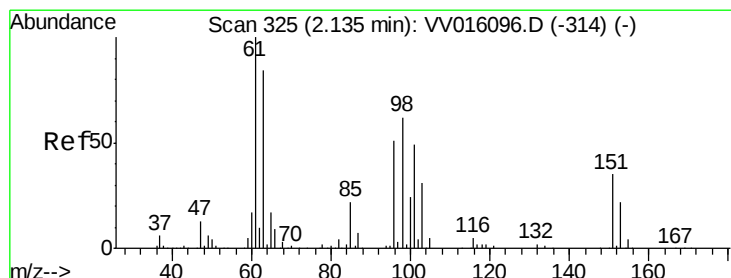
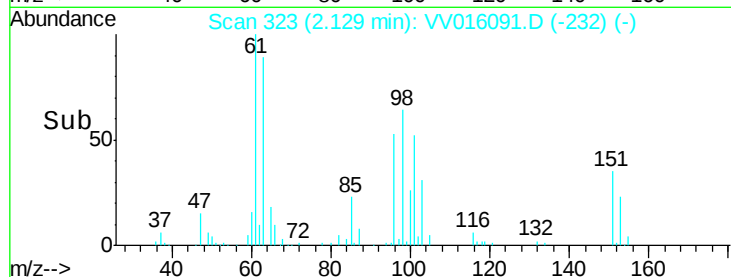
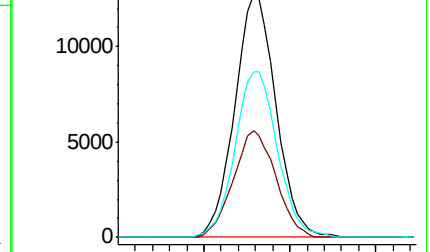
151 70.1 56.9 85.3



Abundance Ion 101.00 (100.70 to 101.70): VV016096.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV016096.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV016096.D (-312) (-)



#12

1,1-Dichloroethene

Concen: 8.906 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV016091.D

Acq: 18 May 2020 10:51

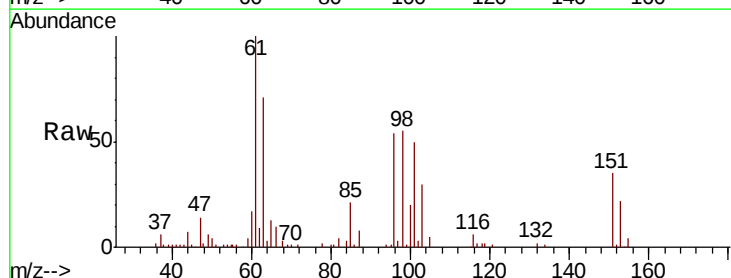
Tgt Ion: 96 Resp: 19137

Ion Ratio Lower Upper

96 100

61 185.7 136.8 254.2

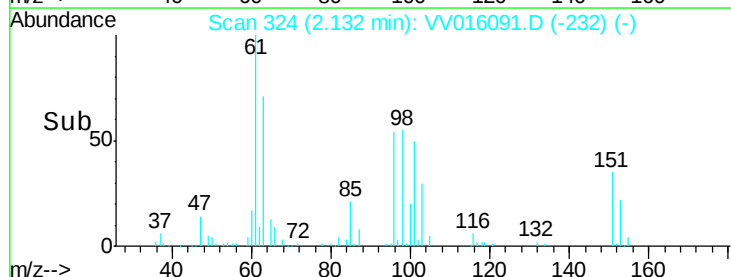
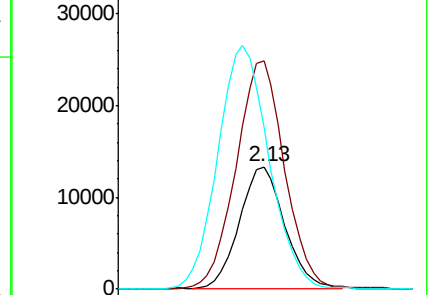
63 131.9 116.6 216.5

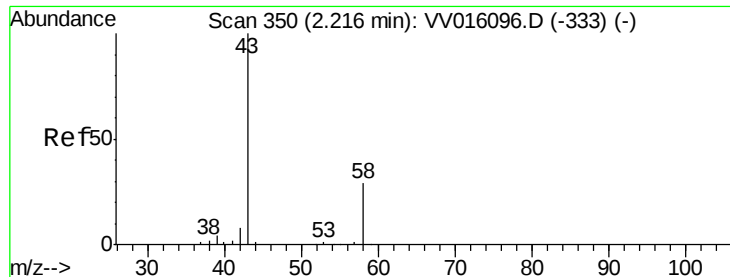


Abundance Ion 96.00 (95.70 to 96.70): VV016096.D (-314) (-)

Ion 61.00 (60.70 to 61.70): VV016096.D (-314) (-)

Ion 63.00 (62.70 to 63.70): VV016096.D (-314) (-)





#13

Acetone

Concen: 28.833 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.01 min

Lab File: VV016091.D

Acq: 18 May 2020 10:51

Instrument :

MSVOA_V

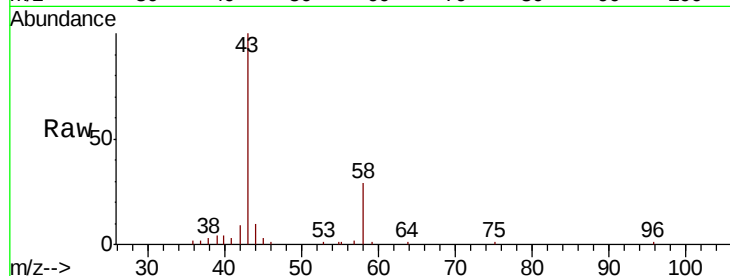
ClientSampleId :

Tot Ion: 43 Resp: 29447

Ion Ratio Lower Upper

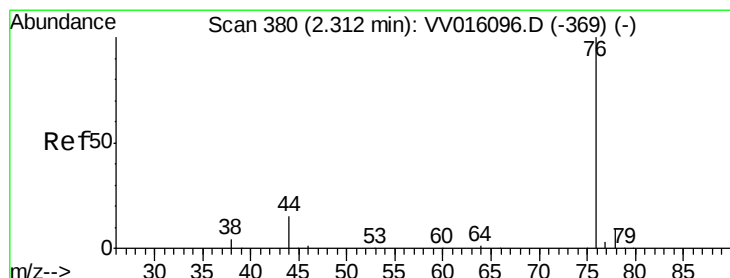
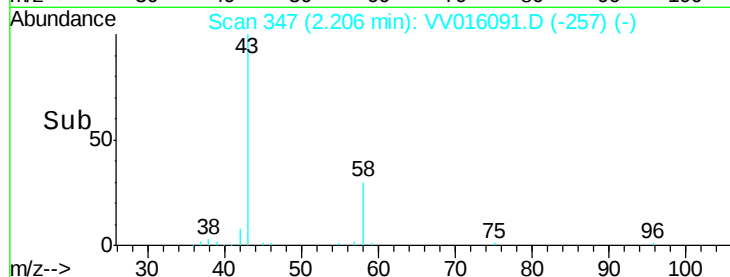
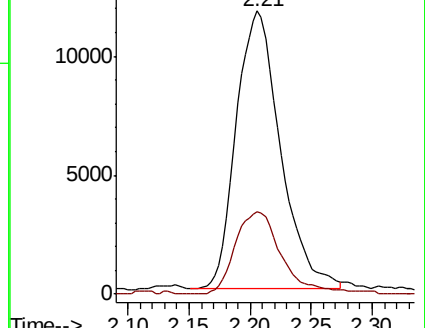
43 100

58 30.9 0.0 57.8



Abundance Ion 43.00 (42.70 to 43.70): VV016091.D (-257) (-)

Ion 58.00 (57.70 to 58.70): VV016091.D (-257) (-)



#14

Carbon disulfide

Concen: 8.841 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV016091.D

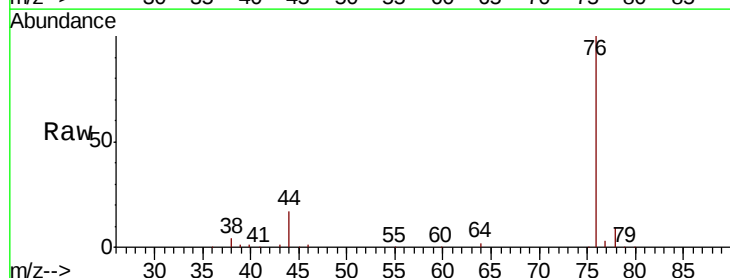
Acq: 18 May 2020 10:51

Tgt Ion: 76 Resp: 53280

Ion Ratio Lower Upper

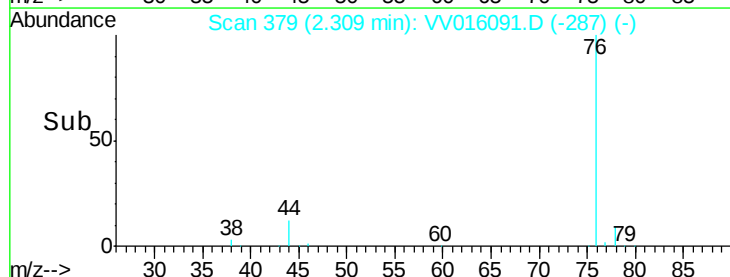
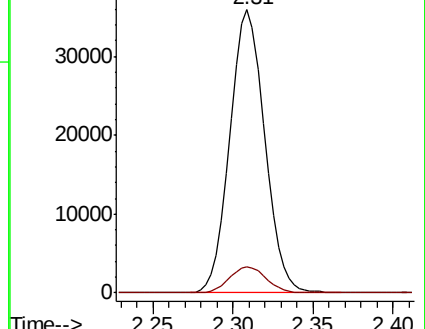
76 100

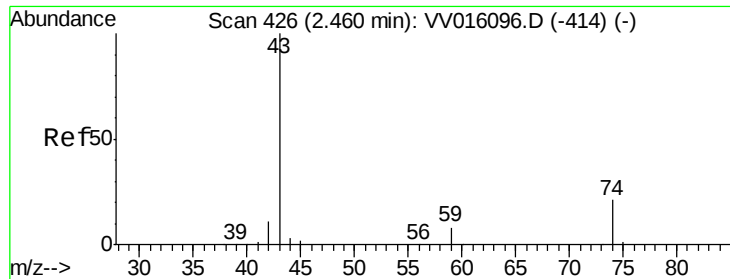
78 9.1 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV016091.D (-287) (-)

Ion 78.00 (77.70 to 78.70): VV016091.D (-287) (-)





#15

Methvl Acetate

Concen: 10.341 ug/L

RT: 2.46 min Scan# 425

Delta R.T. -0.00 min

Lab File: VV016091.D

Acq: 18 May 2020 10:51

Instrument :

MSVOA_V

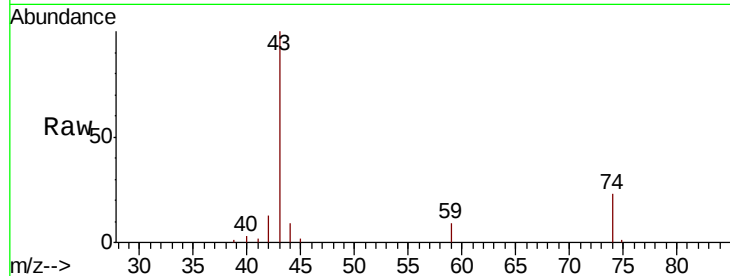
ClientSampleId :

Tot Ion: 43 Resp: 22077

Ion Ratio Lower Upper

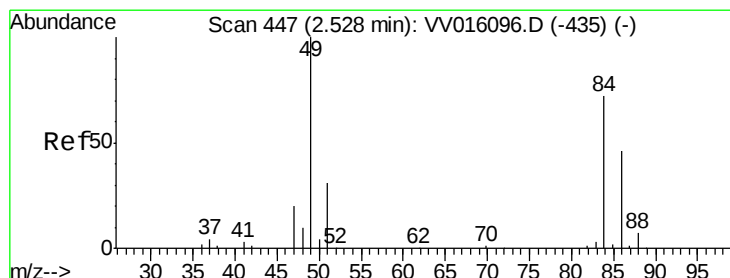
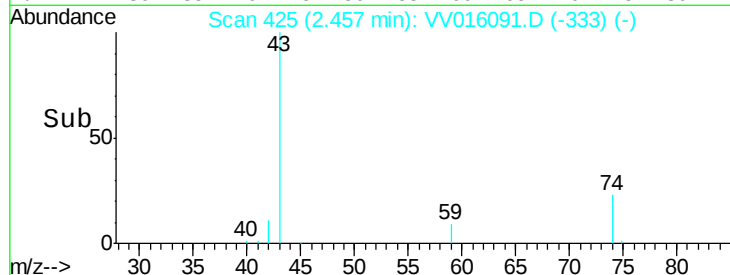
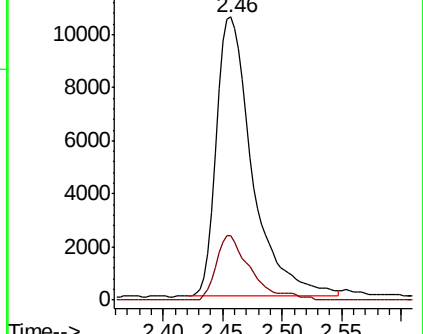
43 100

74 21.2 17.3 25.9



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 10.512 ug/L

RT: 2.52 min Scan# 446

Delta R.T. -0.00 min

Lab File: VV016091.D

Acq: 18 May 2020 10:51

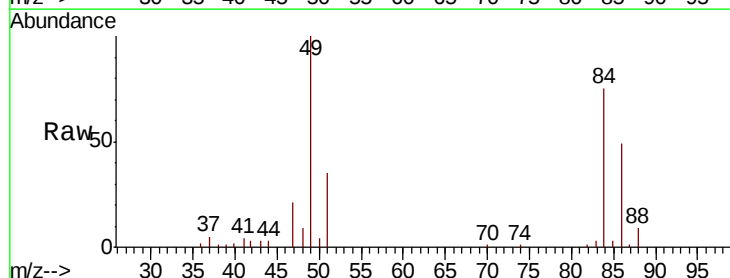
Tgt Ion: 84 Resp: 24687

Ion Ratio Lower Upper

84 100

86 64.9 45.1 83.7

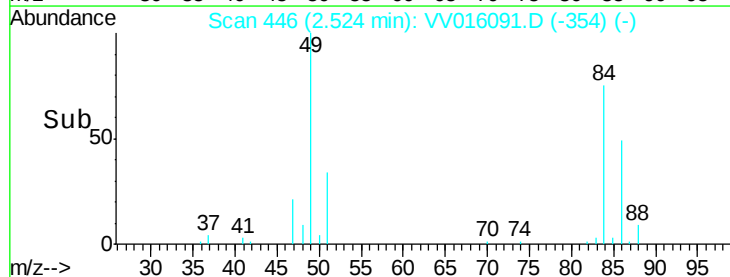
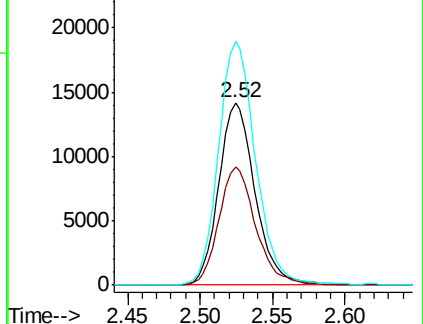
49 133.5 97.8 181.6

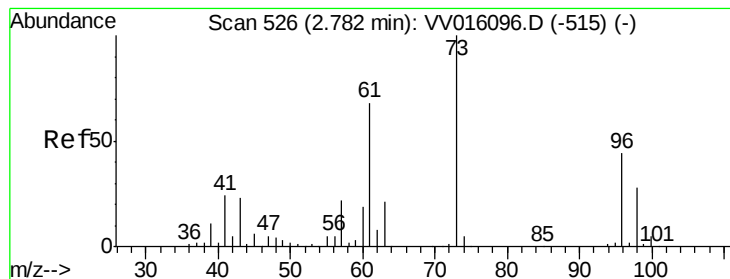


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 9.805 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV016091.D

Acq: 18 May 2020 10:51

Instrument :
MSVOA_V
ClientSampled :

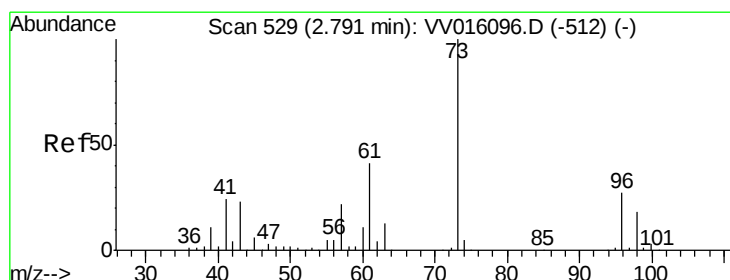
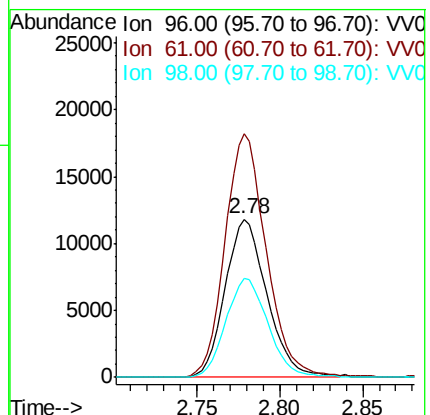
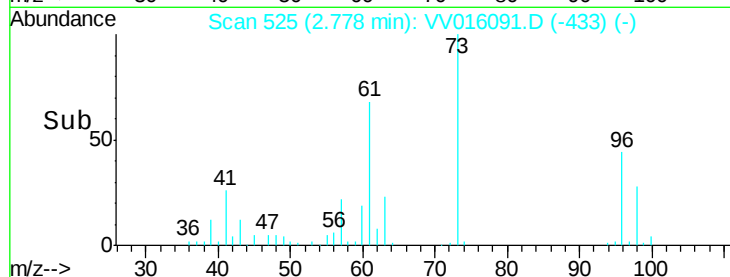
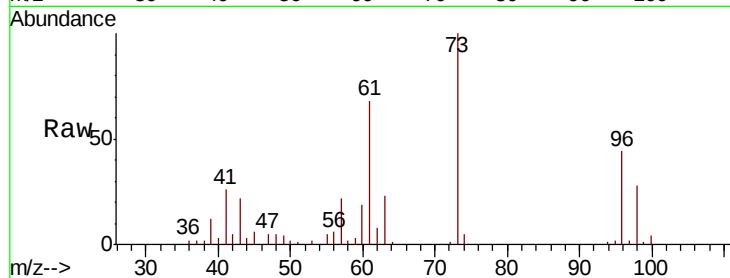
Tot Ion: 96 Resp: 20710

Ion Ratio Lower Upper

96 100

61 153.7 107.1 198.9

98 62.8 44.0 81.8



#18

Methyl tert-butyl Ether

Concen: 9.983 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV016091.D

Acq: 18 May 2020 10:51

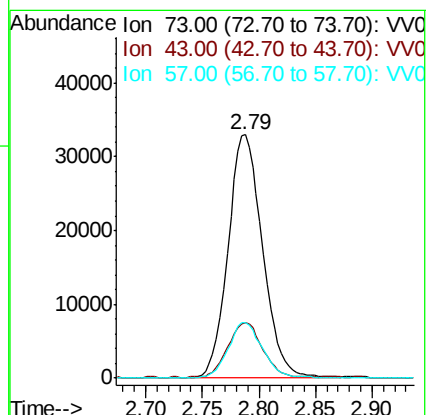
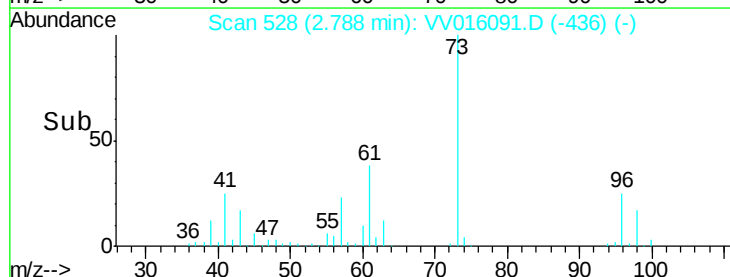
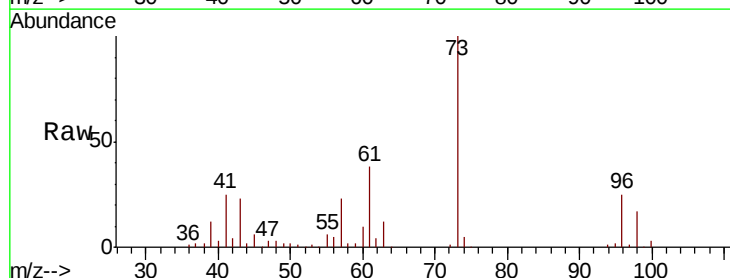
Tgt Ion: 73 Resp: 70016

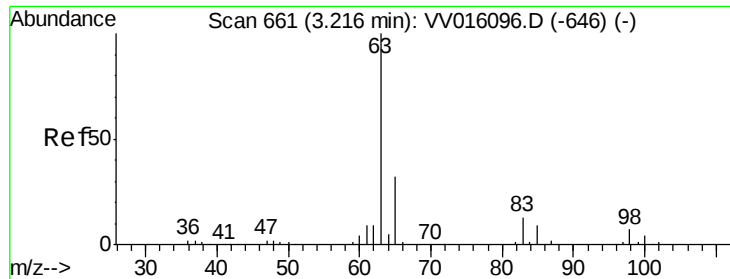
Ion Ratio Lower Upper

73 100

43 22.2 18.2 27.4

57 22.6 17.9 26.9

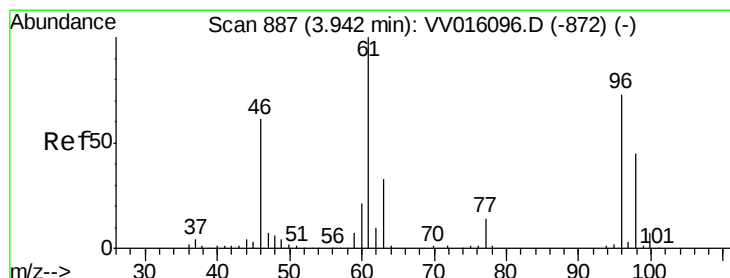
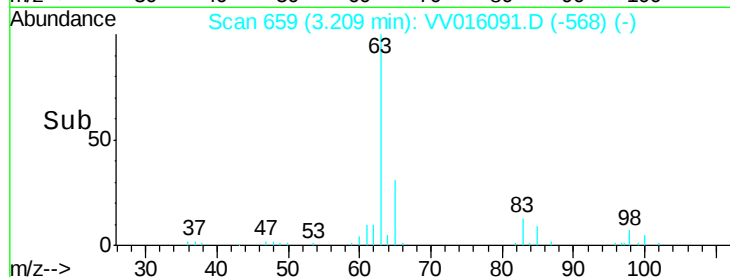
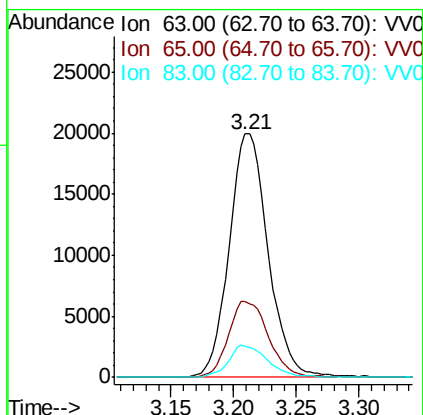
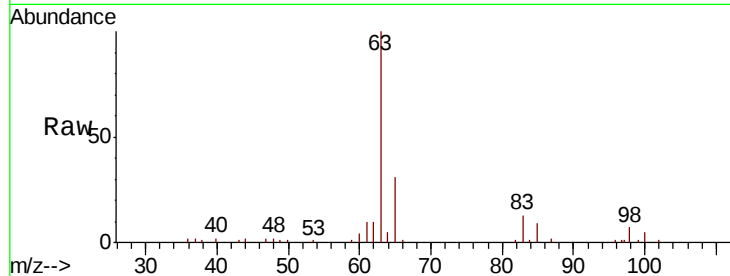




#19
 1,1-Dichloroethane
 Concen: 10.930 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.01 min
 Lab File: VV016091.D
 Acq: 18 May 2020 10:51

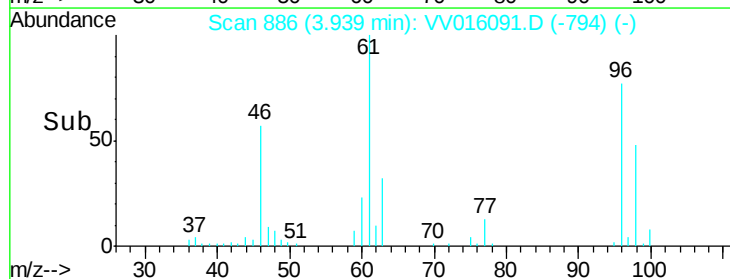
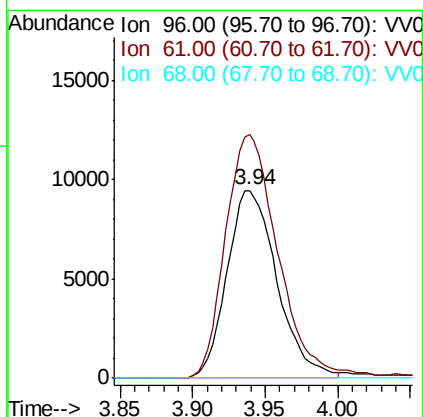
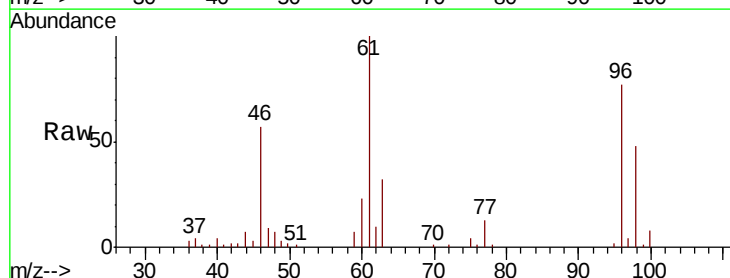
Instrument :
 MSVOA_V
 ClientSampled :

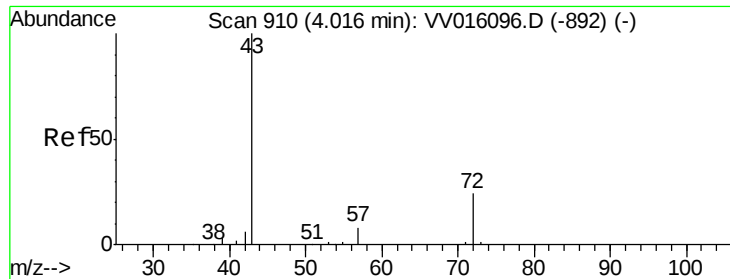
Tot Ion: 63 Resp: 42914
 Ion Ratio Lower Upper
 63 100
 65 31.1 22.5 41.9
 83 12.8 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 9.404 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: VV016091.D
 Acq: 18 May 2020 10:51

Tgt Ion: 96 Resp: 22707
 Ion Ratio Lower Upper
 96 100
 61 129.8 96.5 179.3
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 19.594 ug/L

RT: 4.02 min Scan# 912

Delta R.T. 0.01 min

Lab File: VV016091.D

Acq: 18 May 2020 10:51

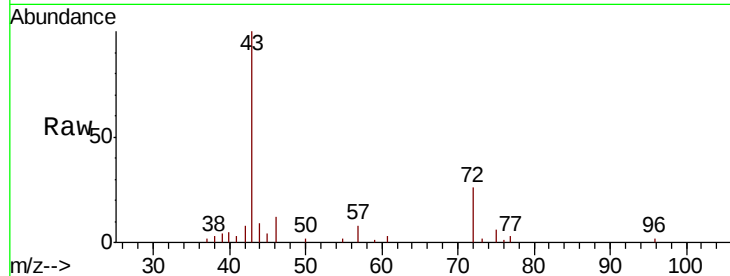
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 28343

Ion Ratio Lower Upper

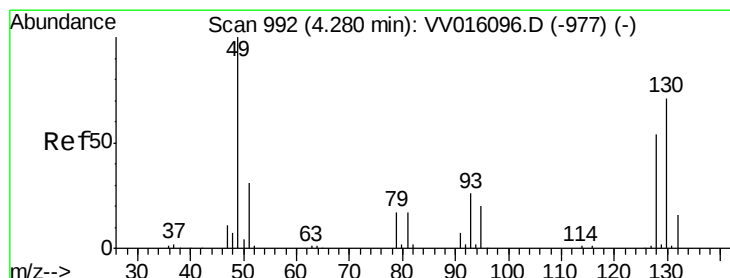
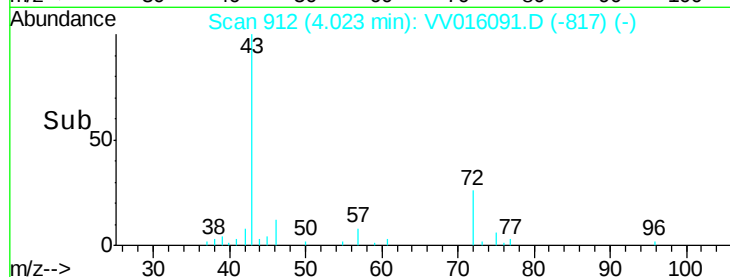
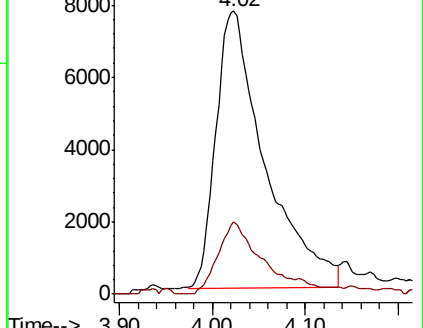
43 100

72 22.1 11.3 33.8



Abundance Ion 43.00 (42.70 to 43.70): VV016091.D (-817) (-)

Ion 72.00 (71.70 to 72.70): VV016091.D (-817) (-)



#23

Bromochloromethane

Concen: 10.069 ug/L

RT: 4.28 min Scan# 991

Delta R.T. -0.00 min

Lab File: VV016091.D

Acq: 18 May 2020 10:51

Tgt Ion: 128 Resp: 12271

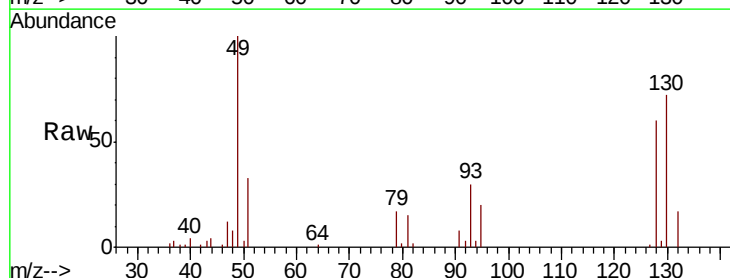
Ion Ratio Lower Upper

128 100

49 166.1 130.1 241.7

130 118.8 91.4 169.8

51 55.5 45.9 68.9

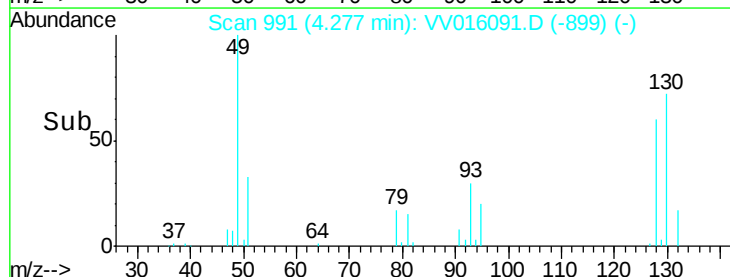
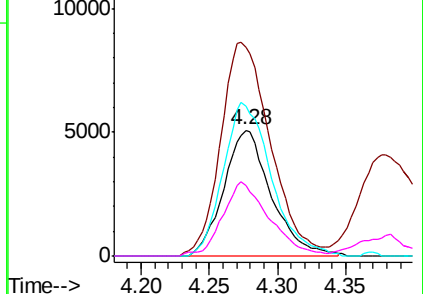


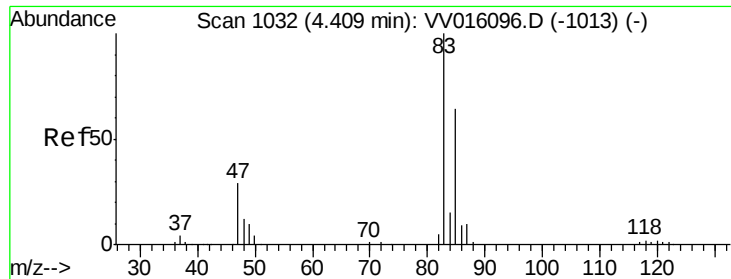
Abundance Ion 128.00 (127.70 to 128.70): VV016091.D (-899) (-)

Ion 49.00 (48.70 to 49.70): VV016091.D (-899) (-)

Ion 130.00 (129.70 to 130.70): VV016091.D (-899) (-)

Ion 51.00 (50.70 to 51.70): VV016091.D (-899) (-)

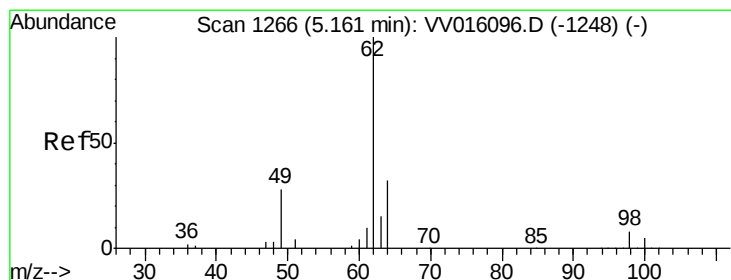
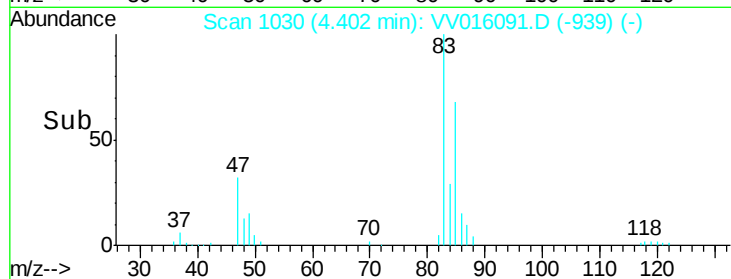
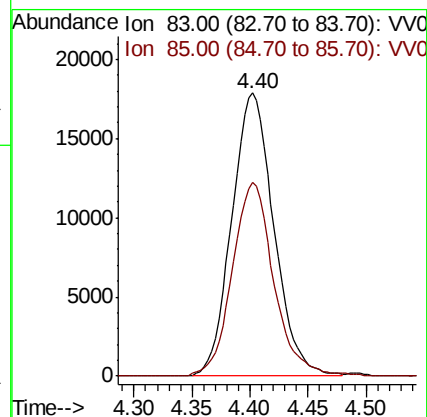
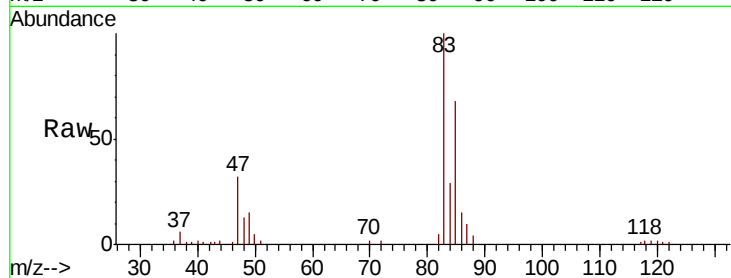




#25
 Chloroform
 Concen: 10.546 ug/L
 RT: 4.40 min Scan# 1030
 Delta R.T. -0.01 min
 Lab File: VV016091.D
 Acq: 18 May 2020 10:51

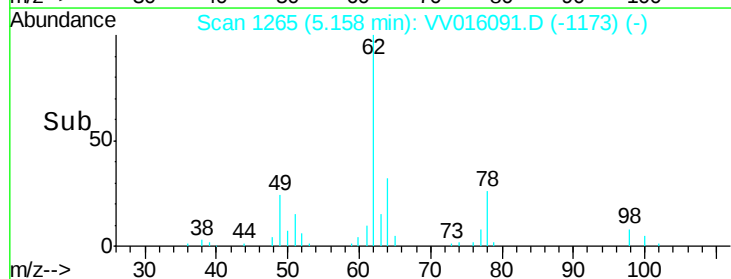
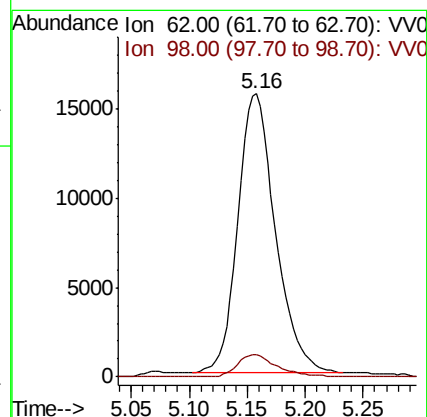
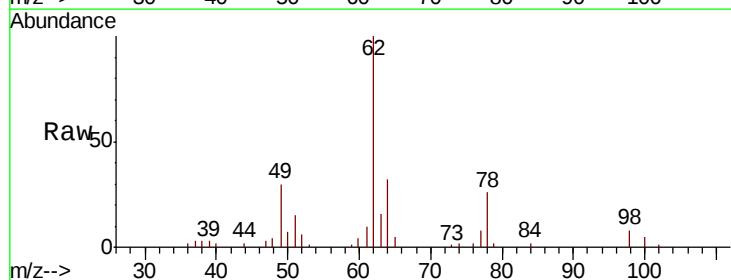
Instrument :
 MSVOA_V
 ClientSampleId :

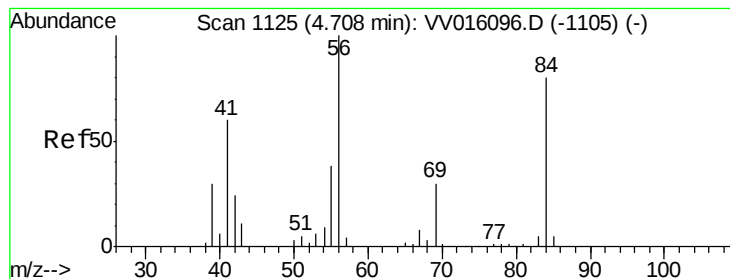
Tot Ion: 83 Resp: 45014
 Ion Ratio Lower Upper
 83 100
 85 68.3 45.1 83.9



#27
 1,2-Dichloroethane
 Concen: 10.845 ug/L
 RT: 5.16 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VV016091.D
 Acq: 18 May 2020 10:51

Tgt Ion: 62 Resp: 35160
 Ion Ratio Lower Upper
 62 100
 98 7.8 6.6 10.0





#29

Cyclohexane

Concen: 9.437 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VV016091.D

Acq: 18 May 2020 10:51

Instrument :
MSVOA_V
ClientSampleId :

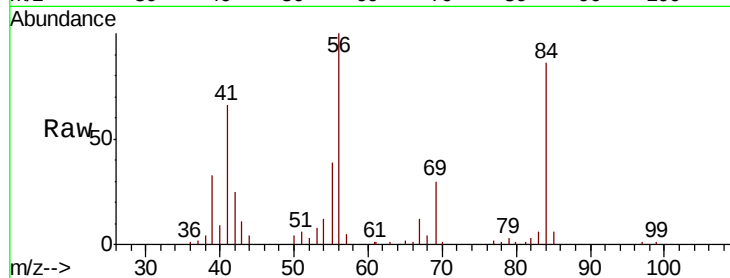
Tot Ion: 56 Resp: 34577

Ion Ratio Lower Upper

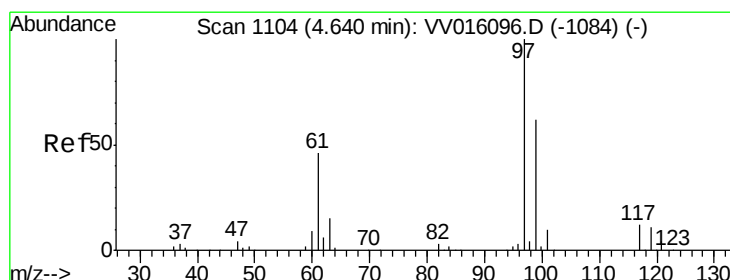
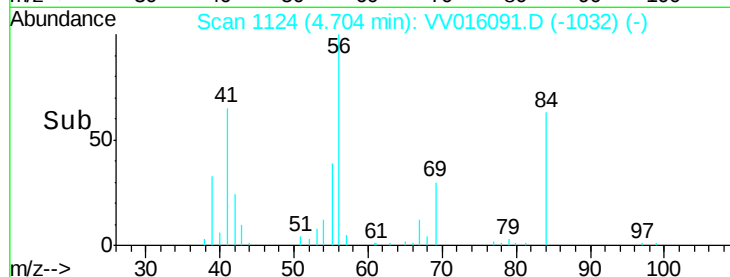
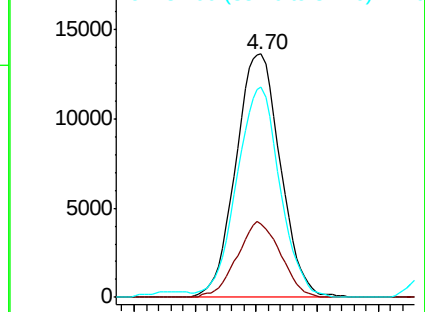
56 100

69 30.1 23.9 35.9

84 83.5 65.7 98.5



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



#30

1,1,1-Trichloroethane

Concen: 10.092 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VV016091.D

Acq: 18 May 2020 10:51

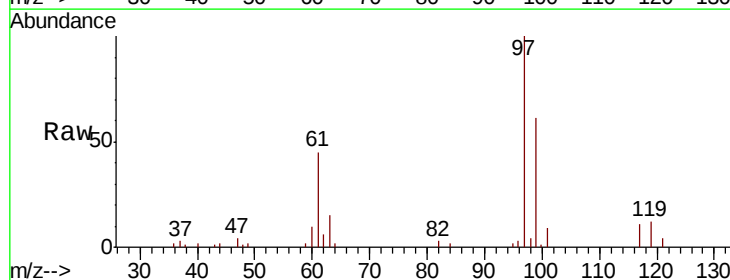
Tgt Ion: 97 Resp: 39597

Ion Ratio Lower Upper

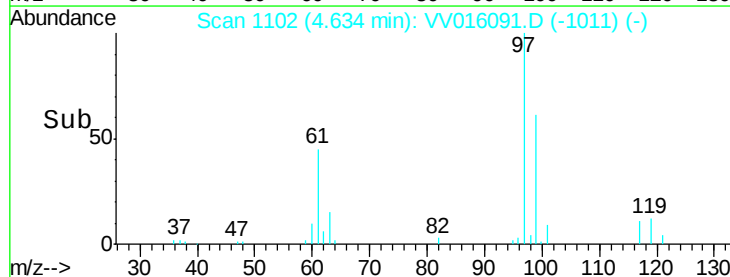
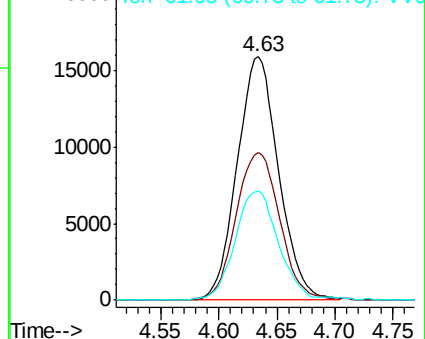
97 100

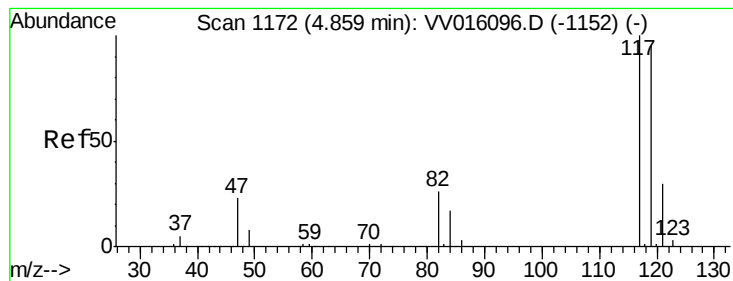
99 63.7 50.2 75.4

61 46.5 37.5 56.3



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: 9.916 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.01 min

Lab File: VV016091.D

Acq: 18 May 2020 10:51

Instrument :

MSVOA_V

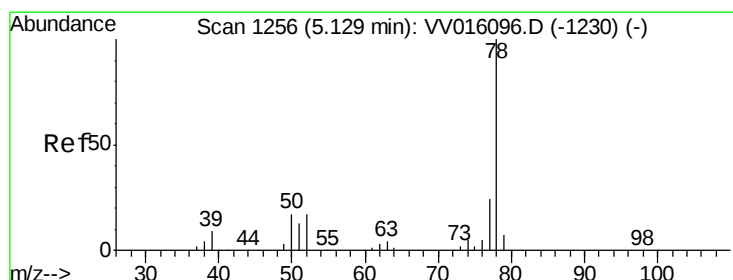
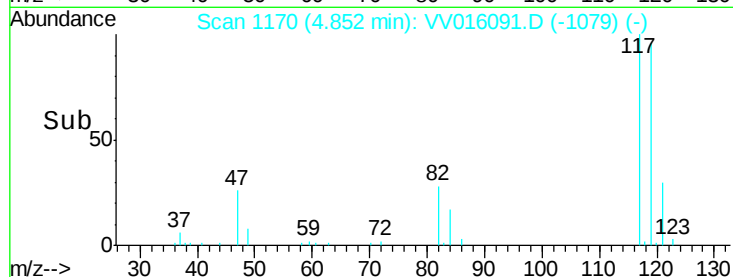
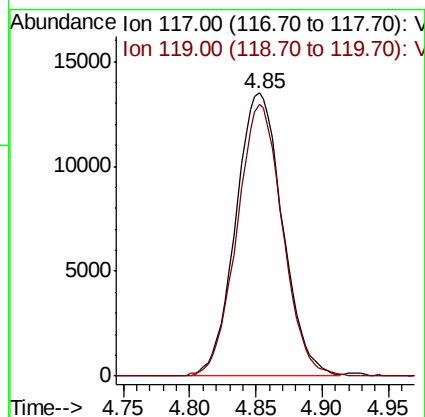
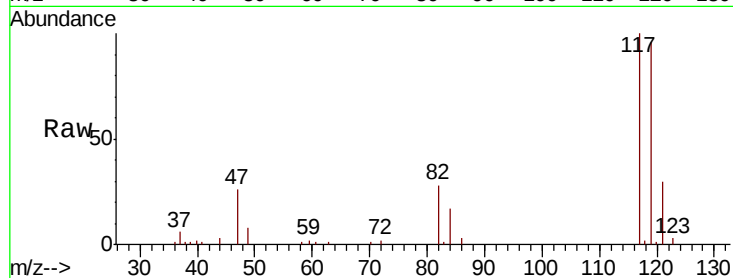
ClientSampleId :

Tot Ion:117 Resp: 33171

Ion Ratio Lower Upper

117 100

119 93.5 75.7 113.5



#33

Benzene

Concen: 9.721 ug/L

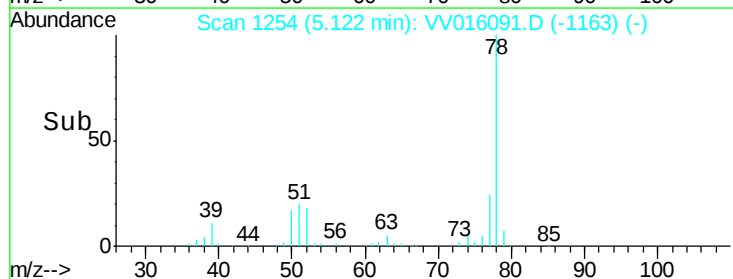
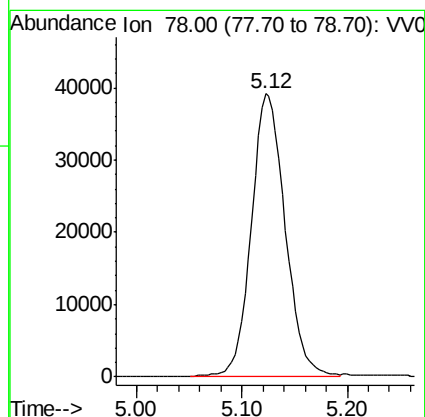
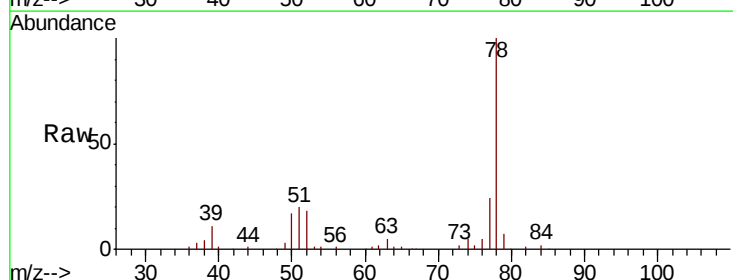
RT: 5.12 min Scan# 1254

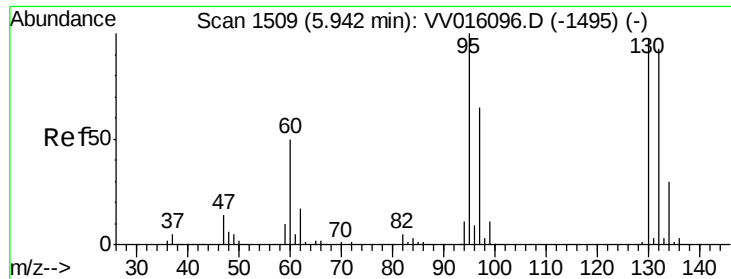
Delta R.T. -0.01 min

Lab File: VV016091.D

Acq: 18 May 2020 10:51

Tgt Ion: 78 Resp: 87813

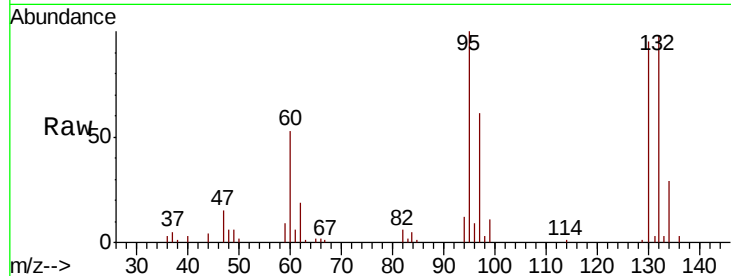




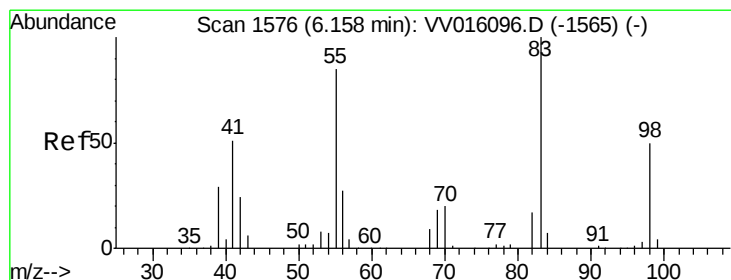
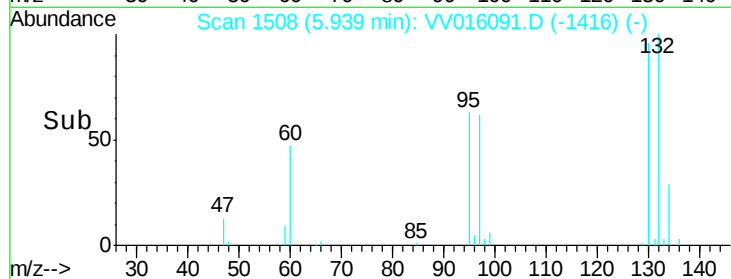
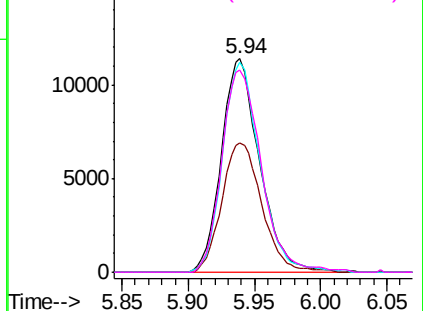
#34
 Trichloroethene
 Concen: 9.601 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. -0.00 min
 Lab File: VV016091.D
 Acq: 18 May 2020 10:51

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 22861
 Ion Ratio Lower Upper
 95 100
 97 60.8 45.7 84.9
 132 98.4 65.4 121.4
 130 94.9 68.0 126.2

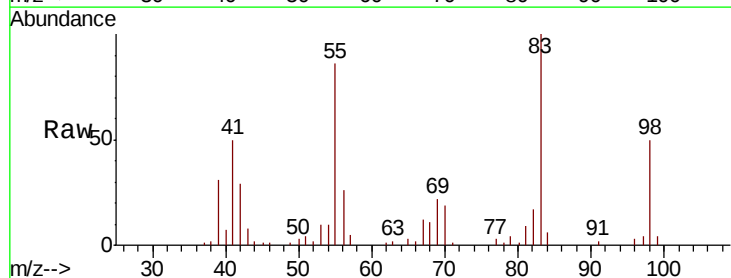


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

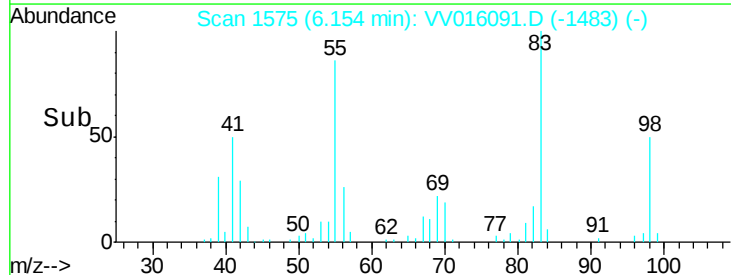
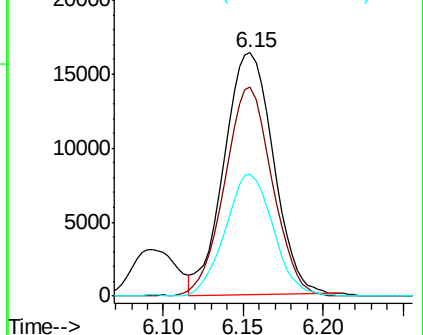


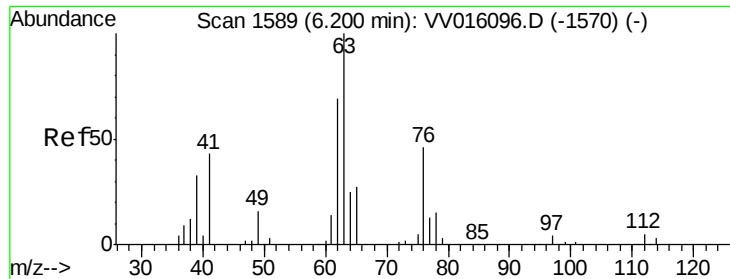
#35
 Methylcyclohexane
 Concen: 8.884 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VV016091.D
 Acq: 18 May 2020 10:51

Tgt Ion: 83 Resp: 34507
 Ion Ratio Lower Upper
 83 100
 55 83.6 66.2 99.2
 98 49.1 39.9 59.9



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

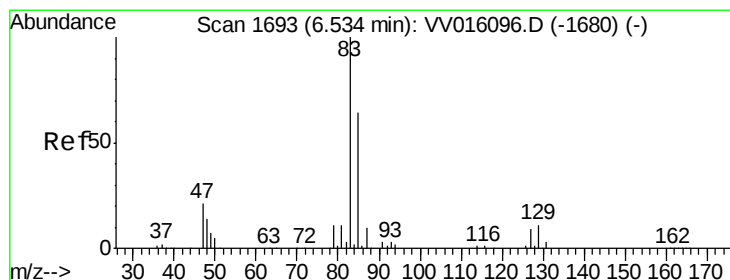
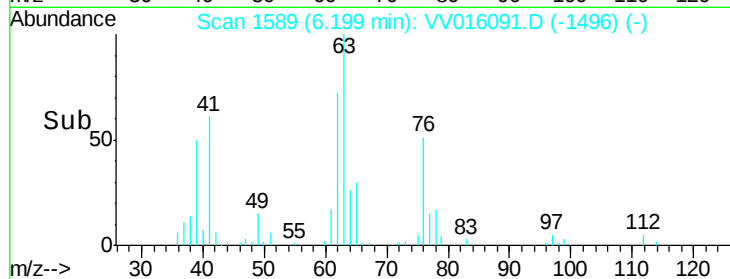
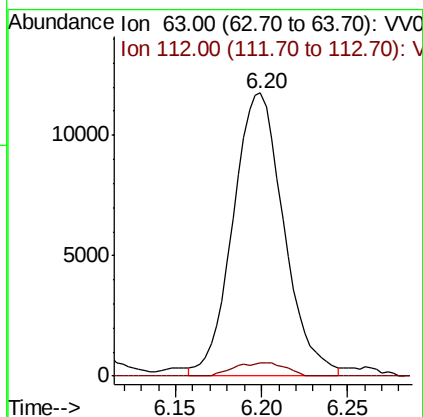
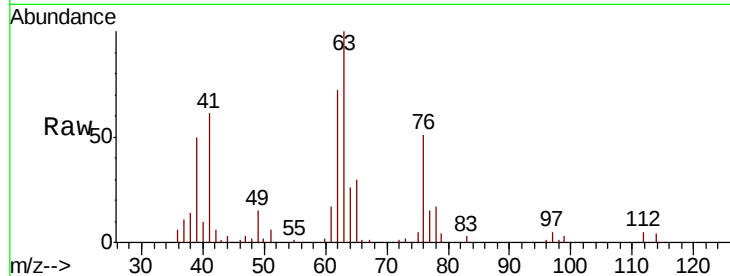




#37
 1,2-Dichloropropane
 Concen: 10.720 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. -0.00 min
 Lab File: VV016091.D
 Acq: 18 May 2020 10:51

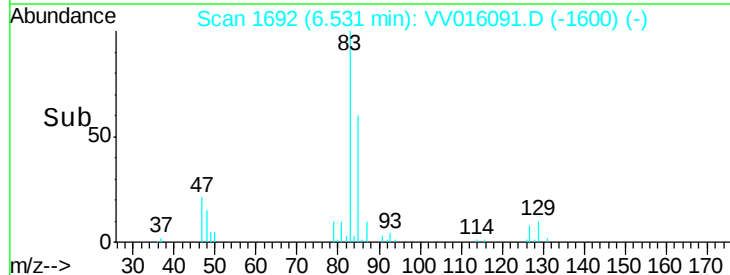
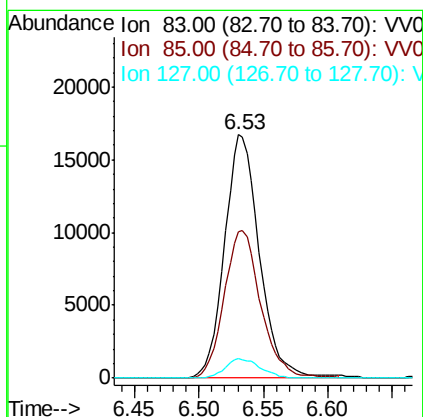
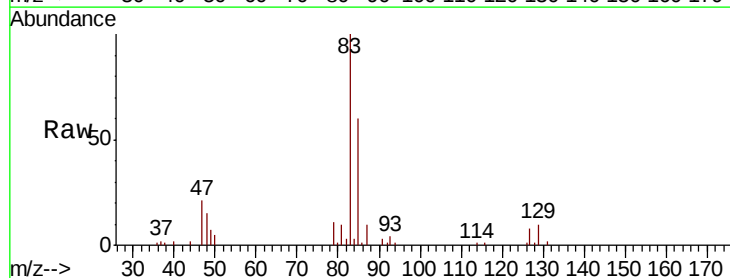
Instrument :
 MSVOA_V
 ClientSampleId :

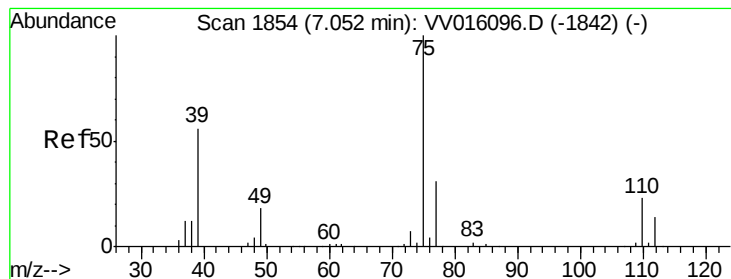
Tot Ion: 63 Resp: 24162
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.5 5.3



#38
 Bromodichloromethane
 Concen: 9.686 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV016091.D
 Acq: 18 May 2020 10:51

Tgt Ion: 83 Resp: 31378
 Ion Ratio Lower Upper
 83 100
 85 60.0 44.7 82.9
 127 7.9 7.1 10.7



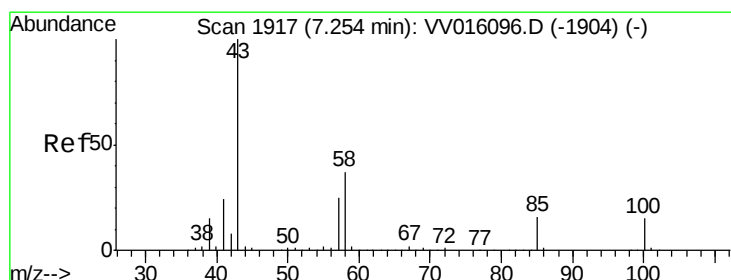
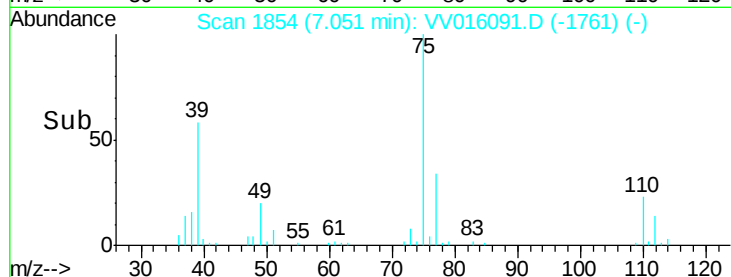
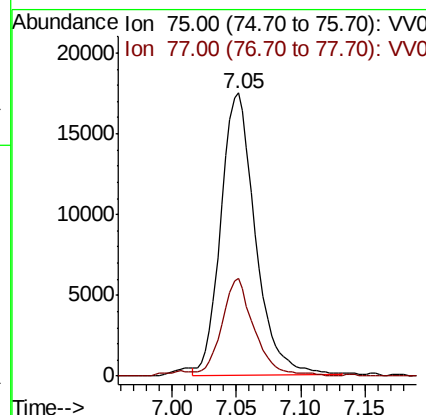
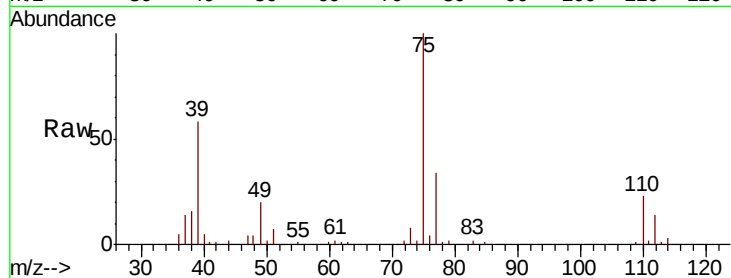


#39

cis-1,3-Dichloropropene
 Concen: 8.724 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VV016091.D
 Acq: 18 May 2020 10:51

Instrument :
 MSVOA_V
 ClientSampleId :

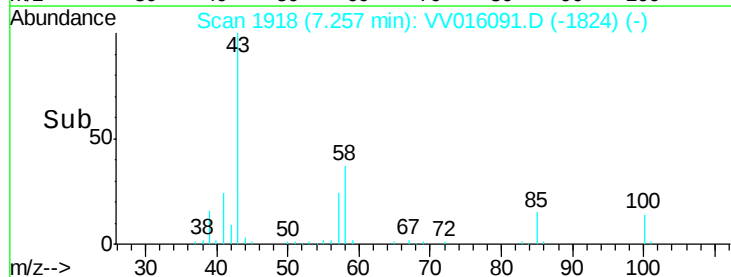
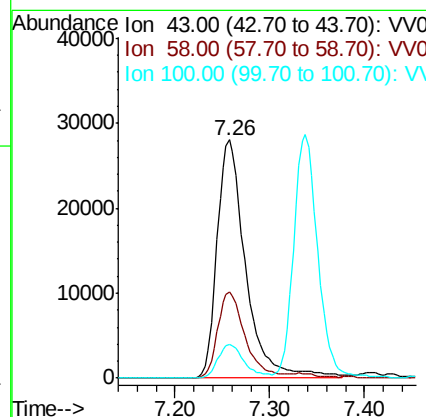
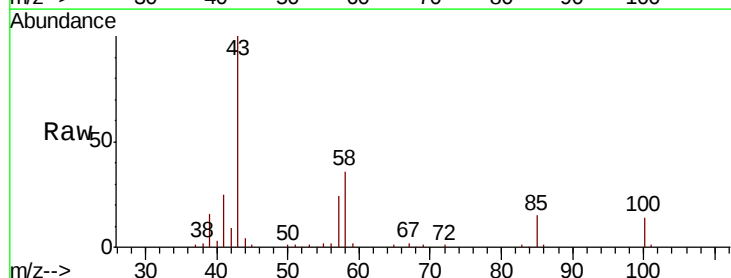
Tot Ion: 75 Resp: 32536
 Ion Ratio Lower Upper
 75 100
 77 34.4 22.3 41.3

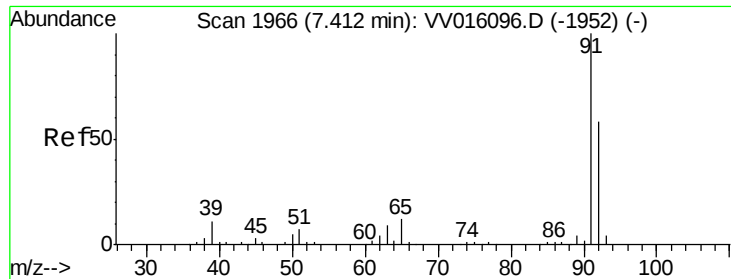


#40

4-Methyl-2-pentanone
 Concen: 18.902 ug/L
 RT: 7.26 min Scan# 1918
 Delta R.T. 0.00 min
 Lab File: VV016091.D
 Acq: 18 May 2020 10:51

Tgt Ion: 43 Resp: 59080
 Ion Ratio Lower Upper
 43 100
 58 34.8 29.4 44.2
 100 13.1 11.0 16.6





#42

Toluene

Concen: 9.272 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV016091.D

Acq: 18 May 2020 10:51

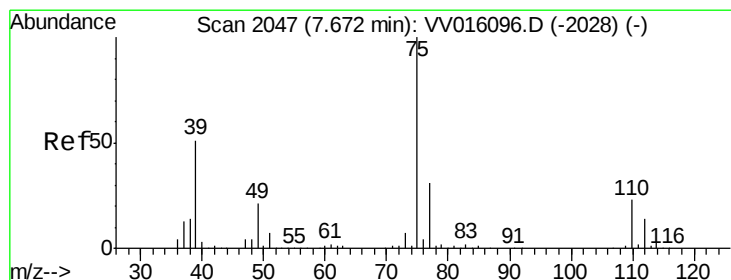
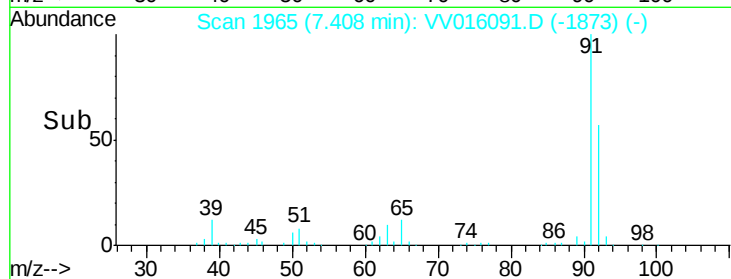
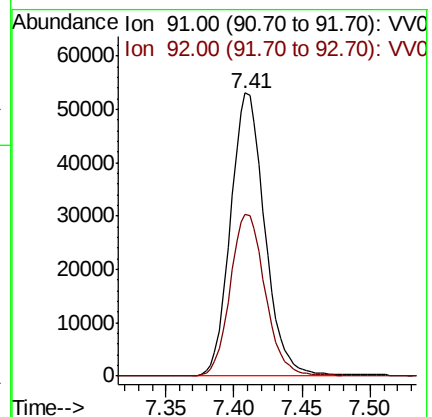
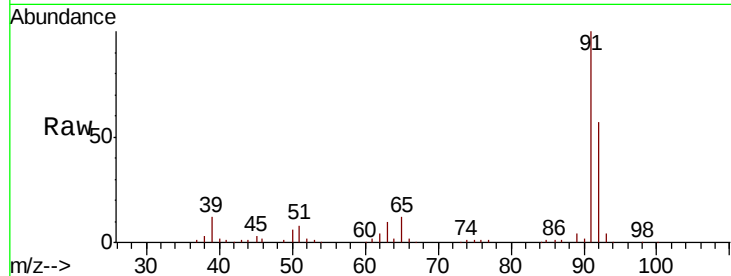
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 92636

Ion Ratio Lower Upper

91 100

92 57.4 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 9.244 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV016091.D

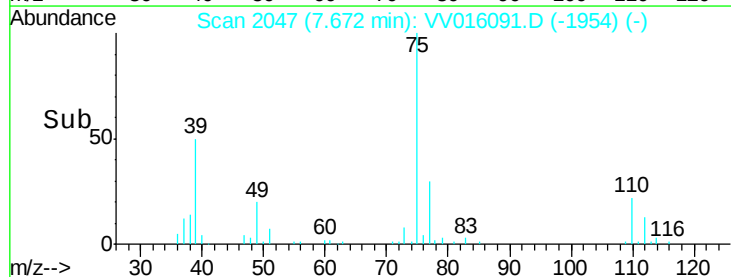
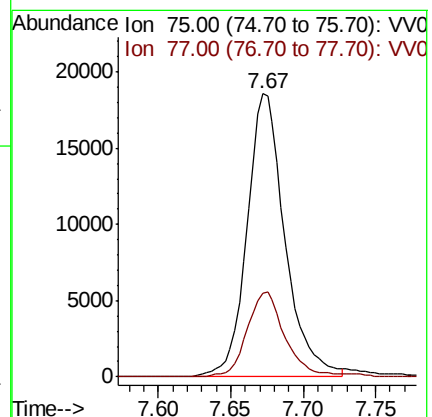
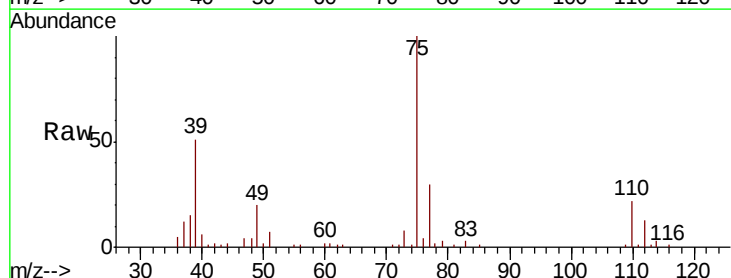
Acq: 18 May 2020 10:51

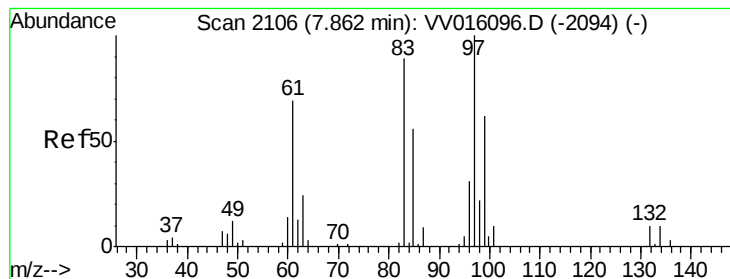
Tgt Ion: 75 Resp: 33781

Ion Ratio Lower Upper

75 100

77 29.6 21.3 39.6





#45

1,1,2-Trichloroethane

Concen: 9.574 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VV016091.D

Acq: 18 May 2020 10:51

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 22168

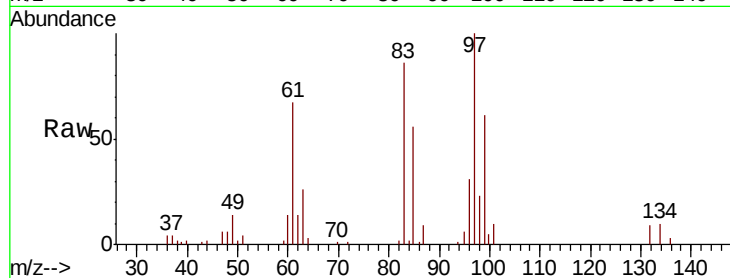
Ion Ratio Lower Upper

97 100

99 60.8 43.6 81.0

83 86.2 62.0 115.2

85 56.1 39.3 73.1

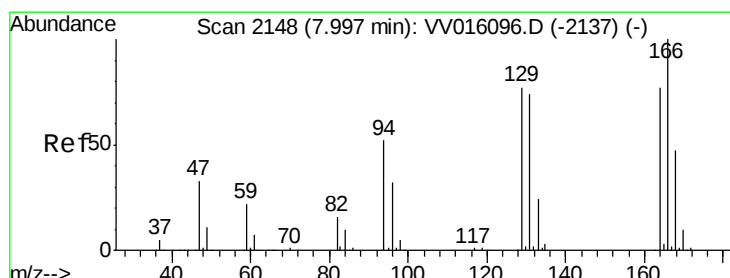
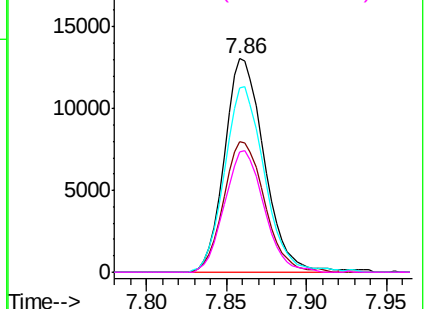
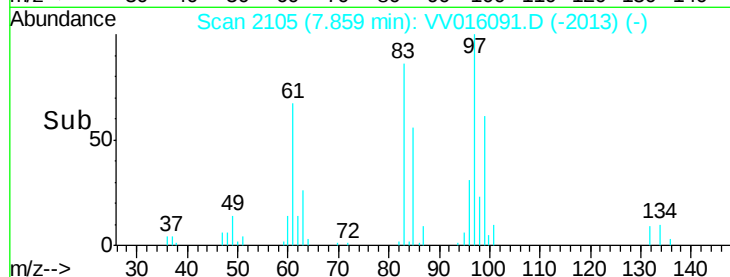


Abundance Ion 97.00 (96.70 to 97.70): VV016091.D (-2013) (-)

Ion 99.00 (98.70 to 99.70): VV016091.D (-2013) (-)

Ion 83.00 (82.70 to 83.70): VV016091.D (-2013) (-)

Ion 85.00 (84.70 to 85.70): VV016091.D (-2013) (-)



#46

Tetrachloroethene

Concen: 10.400 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV016091.D

Acq: 18 May 2020 10:51

Tgt Ion: 164 Resp: 17903

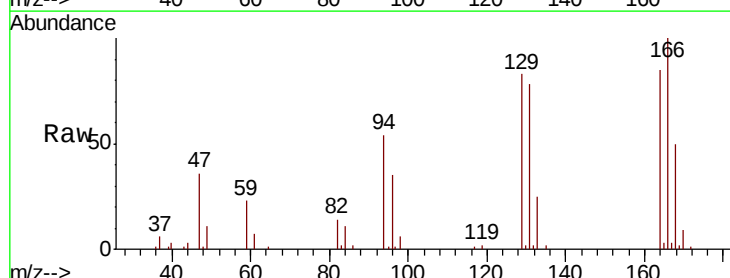
Ion Ratio Lower Upper

164 100

129 98.2 70.3 130.7

131 91.8 67.1 124.5

166 118.0 90.9 168.9

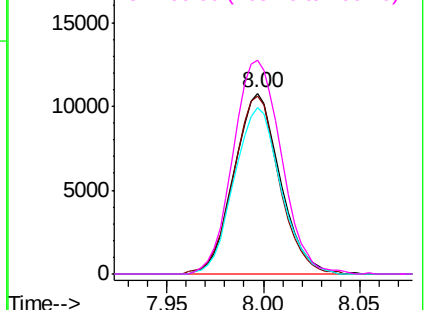
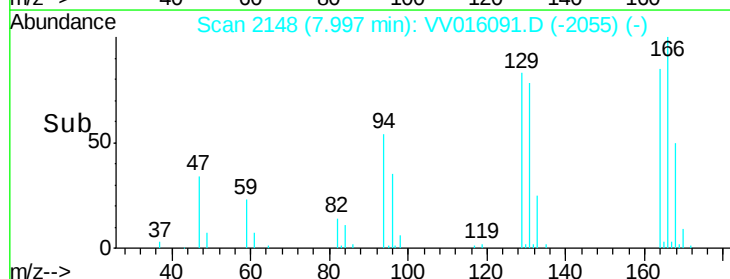


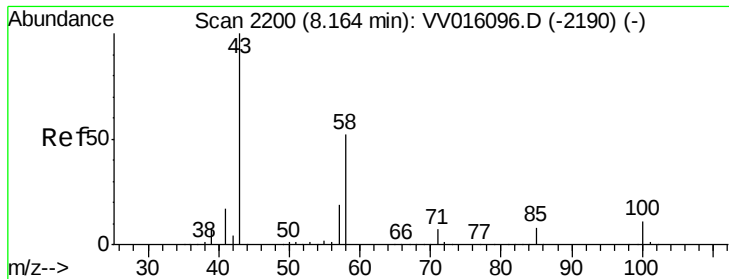
Abundance Ion 164.00 (163.70 to 164.70): VV016091.D (-2055) (-)

Ion 129.00 (128.70 to 129.70): VV016091.D (-2055) (-)

Ion 131.00 (130.70 to 131.70): VV016091.D (-2055) (-)

Ion 166.00 (165.70 to 166.70): VV016091.D (-2055) (-)

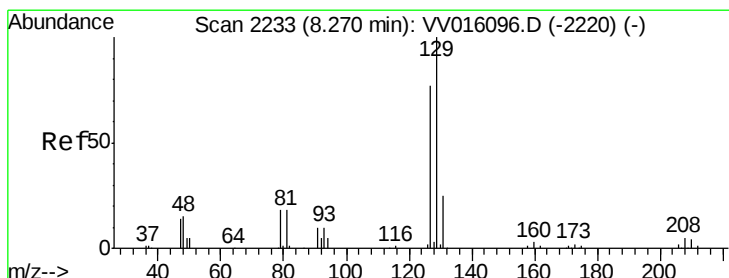
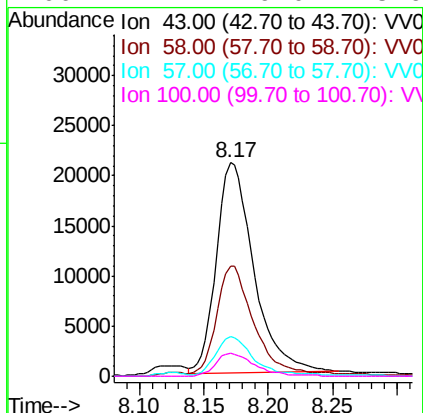
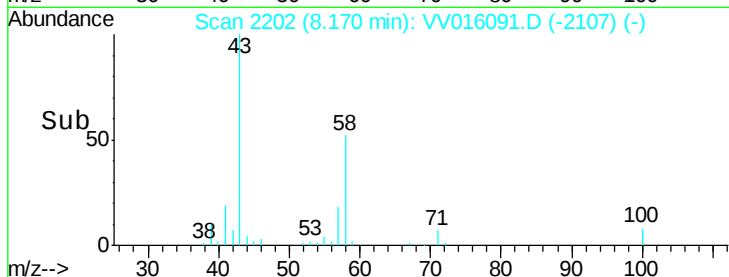
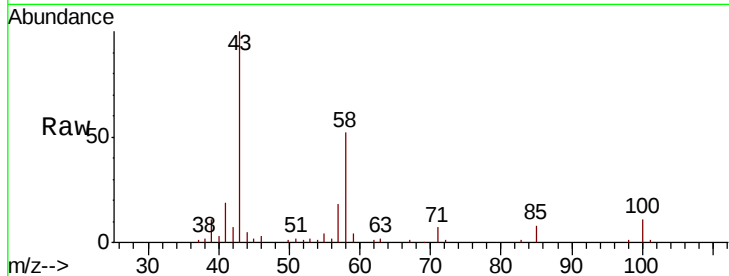




#48
2-Hexanone
Concen: 18.048 ug/L
RT: 8.17 min Scan# 2202
Delta R.T. 0.01 min
Lab File: VV016091.D
Acq: 18 May 2020 10:51

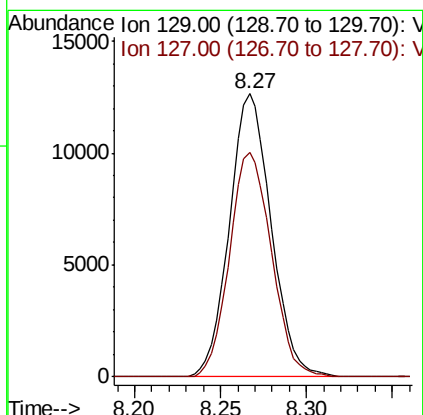
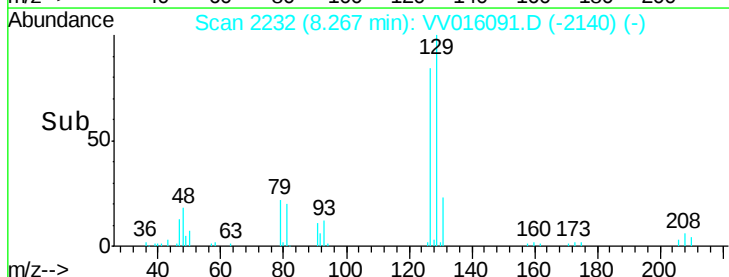
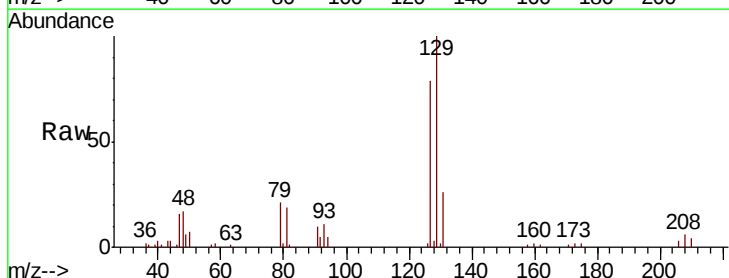
Instrument :
MSVOA_V
ClientSampled :

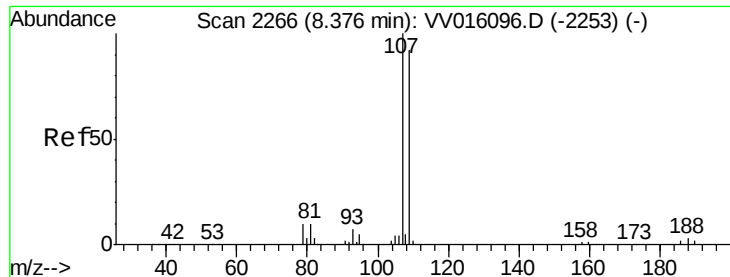
Tot Ion: 43 Resp: 42563
Ion Ratio Lower Upper
43 100
58 50.9 40.9 61.3
57 16.7 15.0 22.4
100 11.1 9.0 13.6



#49
Dibromochloromethane
Concen: 8.439 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV016091.D
Acq: 18 May 2020 10:51

Tgt Ion: 129 Resp: 21401
Ion Ratio Lower Upper
129 100
127 79.4 54.2 100.6

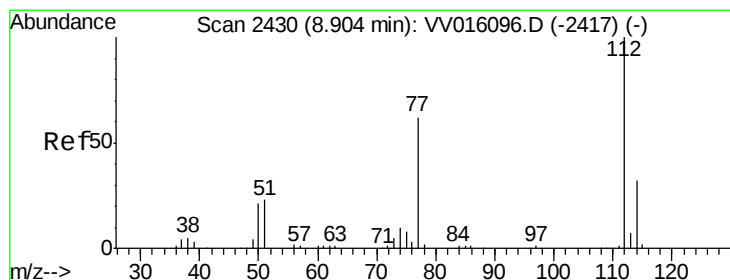
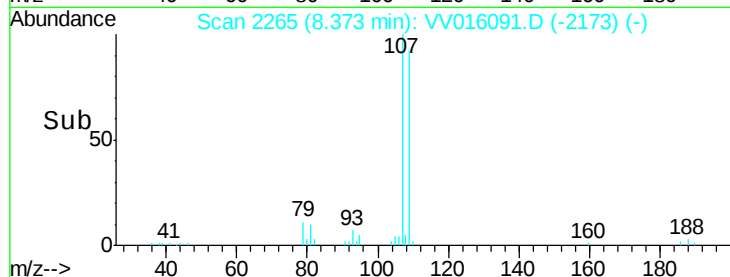
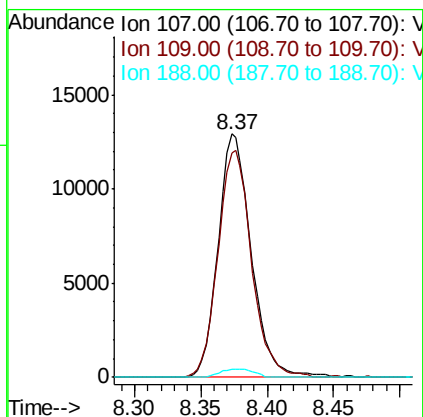
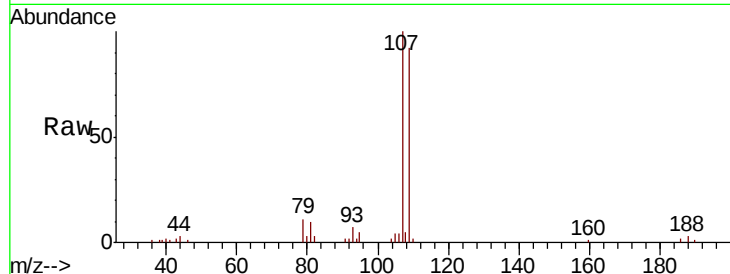




#50
1,2-Dibromoethane
Concen: 9.135 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV016091.D
Acq: 18 May 2020 10:51

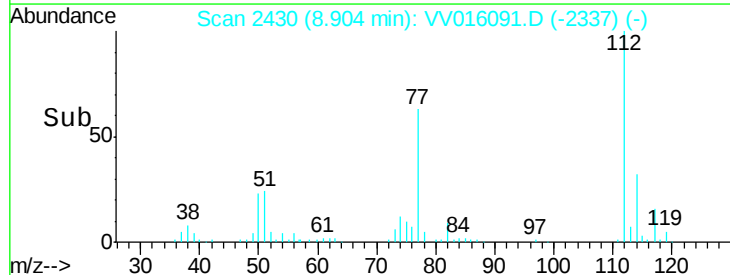
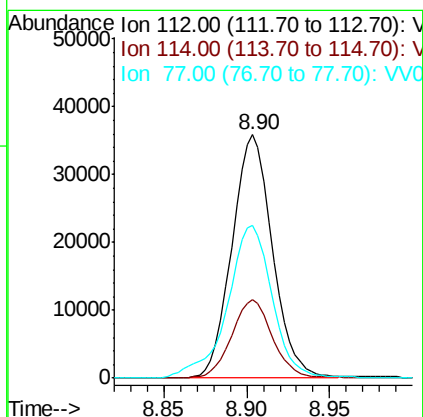
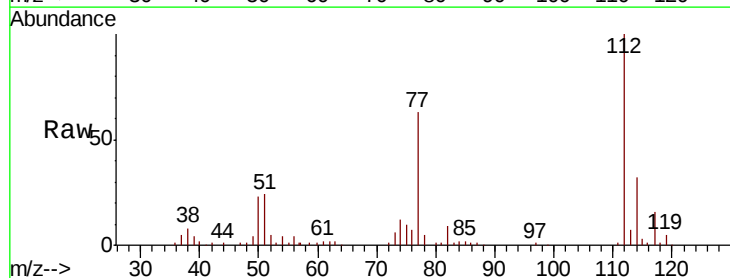
Instrument :
MSVOA_V
ClientSampleId :

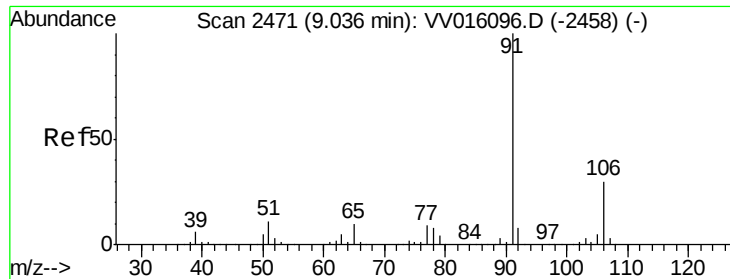
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.0	64.6	120.0
188	3.3	2.7	4.1



#51
Chlorobenzene
Concen: 9.343 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV016091.D
Acq: 18 May 2020 10:51

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.5	41.9
77	62.8	50.4	75.6





#52

Ethylbenzene

Concen: 9.078 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV016091.D

Acq: 18 May 2020 10:51

Instrument :

MSVOA_V

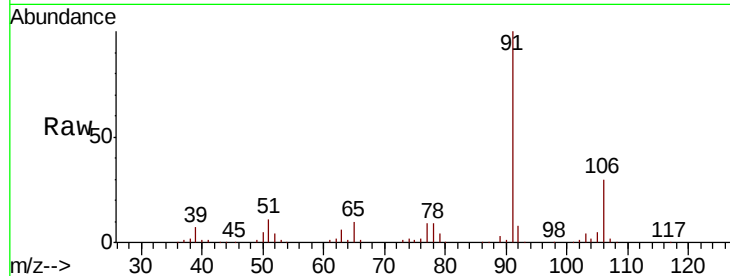
ClientSampleId :

Tot Ion: 91 Resp: 101792

Ion Ratio Lower Upper

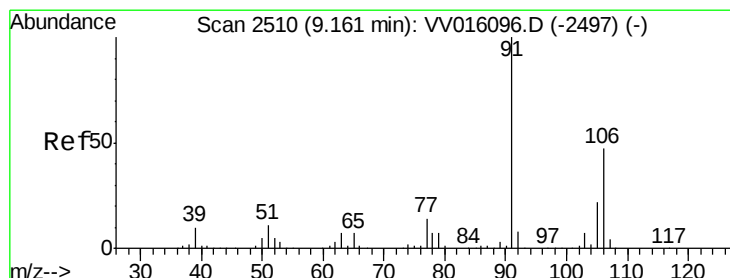
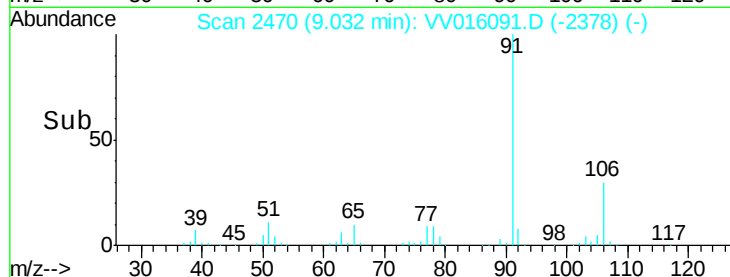
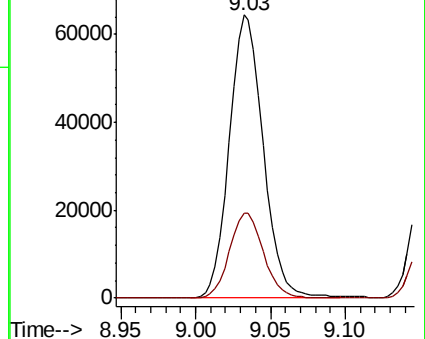
91 100

106 30.2 21.2 39.4



Abundance Ion 91.00 (90.70 to 91.70): VV016091.D (-2470) (-)

Ion 106.00 (105.70 to 106.70): VV016091.D (-2470) (-)



#53

m,p-Xylene

Concen: 8.961 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. -0.00 min

Lab File: VV016091.D

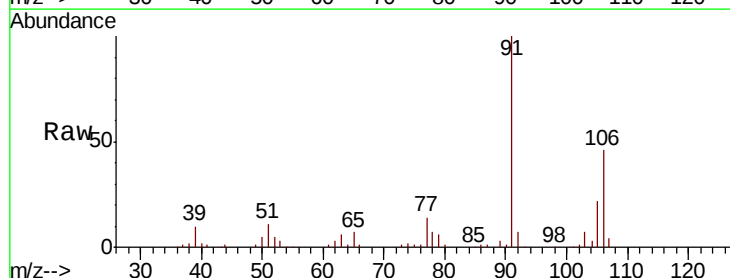
Acq: 18 May 2020 10:51

Tgt Ion: 106 Resp: 38447

Ion Ratio Lower Upper

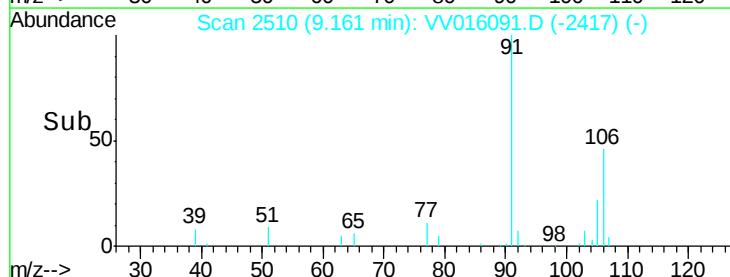
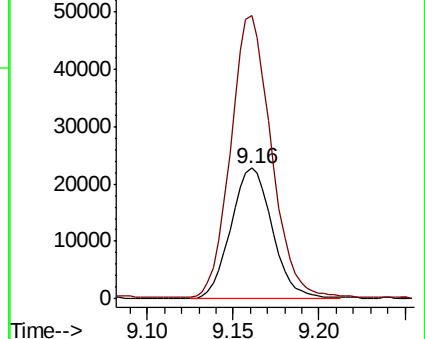
106 100

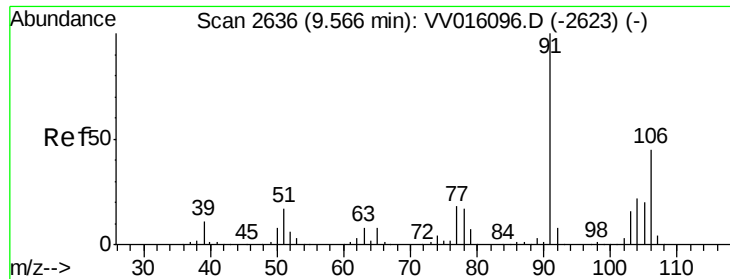
91 216.4 147.8 274.4



Abundance Ion 106.00 (105.70 to 106.70): VV016091.D (-2510) (-)

Ion 91.00 (90.70 to 91.70): VV016091.D (-2510) (-)





#54

o-xylene

Concen: 8.565 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV016091.D

Acq: 18 May 2020 10:51

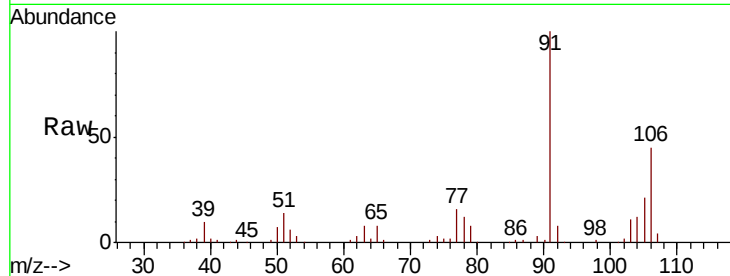
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 36696

Ion Ratio Lower Upper

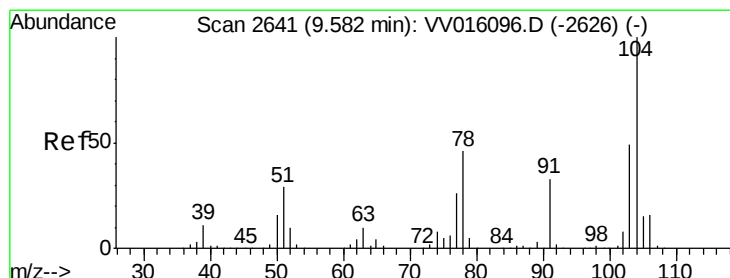
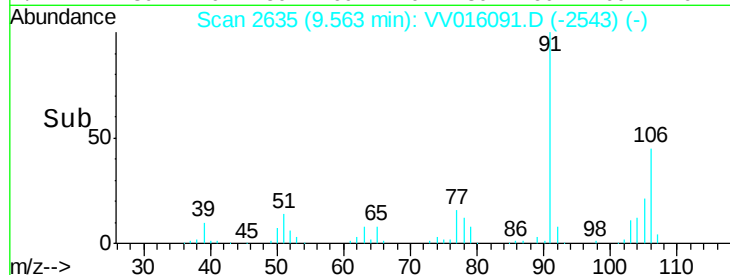
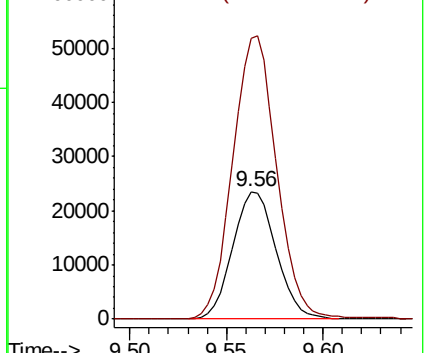
106 100

91 220.4 154.5 286.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 8.594 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV016091.D

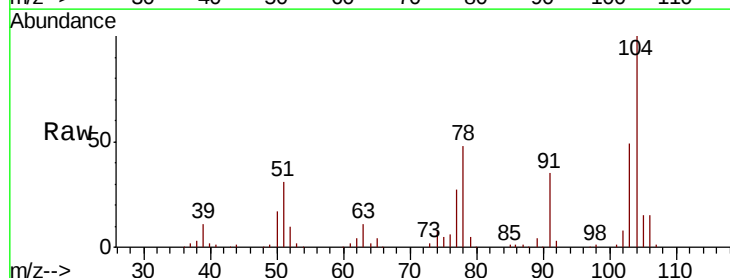
Acq: 18 May 2020 10:51

Tgt Ion:104 Resp: 61838

Ion Ratio Lower Upper

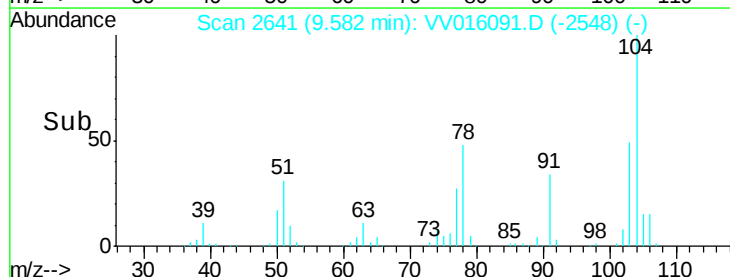
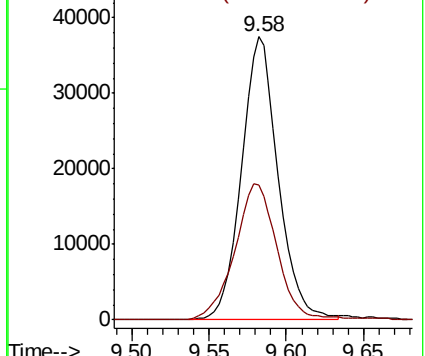
104 100

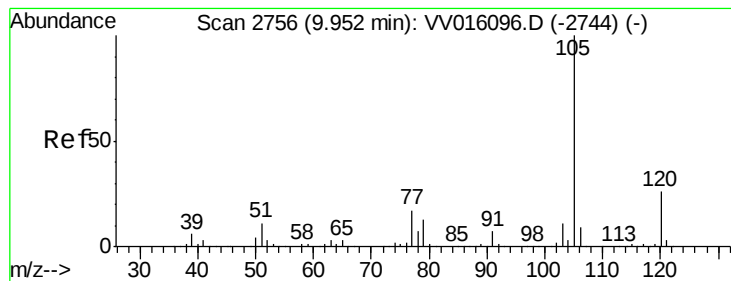
78 47.8 32.6 60.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 8.743 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV016091.D

Acq: 18 May 2020 10:51

Instrument :
MSVOA_V
ClientSampleId :

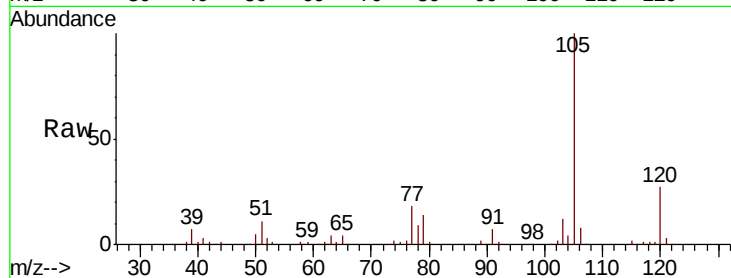
Tot Ion:105 Resp: 97668

Ion Ratio Lower Upper

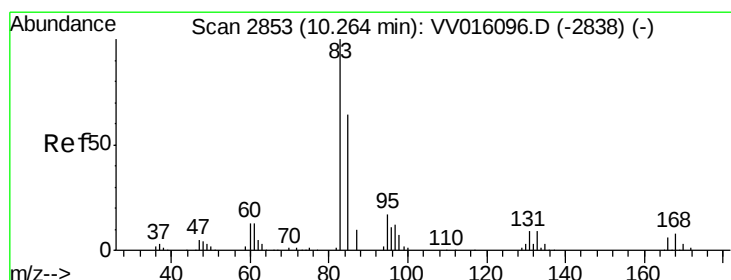
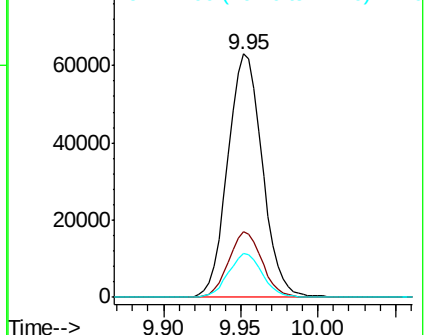
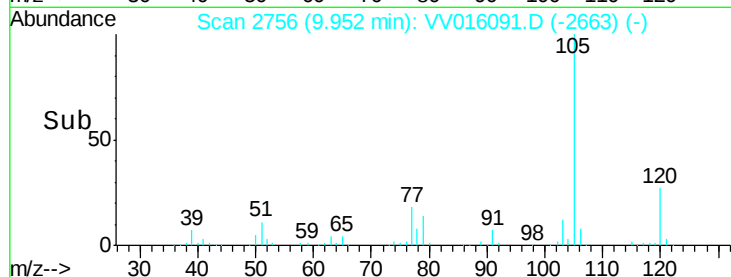
105 100

120 25.9 20.6 31.0

77 17.7 13.3 19.9



Abundance Ion 105.00 (104.70 to 105.70): VV016091.D (-2663) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 9.047 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV016091.D

Acq: 18 May 2020 10:51

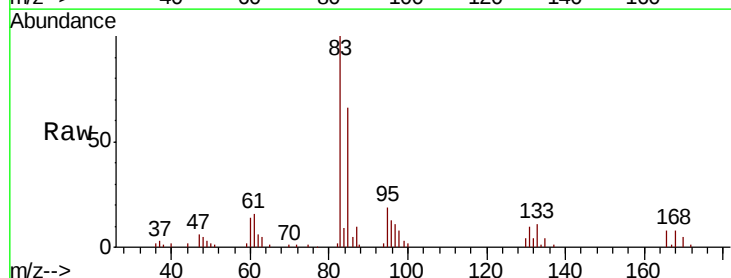
Tgt Ion: 83 Resp: 33573

Ion Ratio Lower Upper

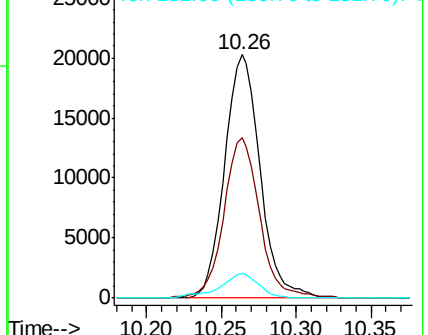
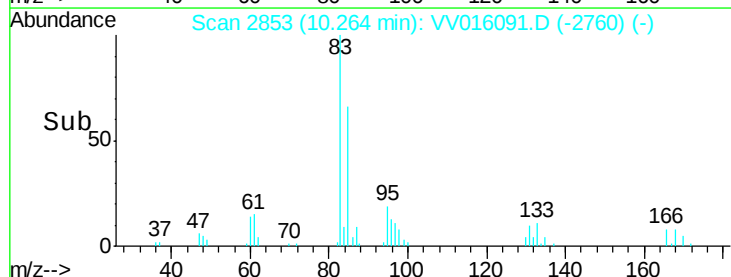
83 100

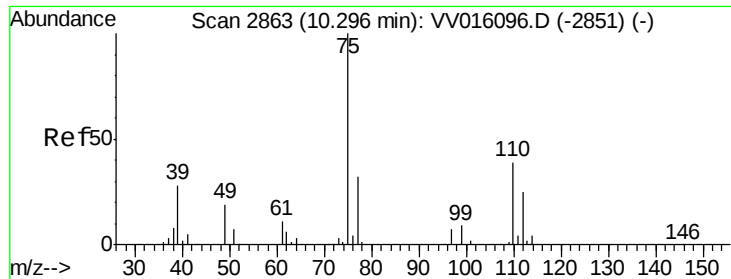
85 66.1 44.8 83.2

131 10.3 7.6 11.4



Abundance Ion 83.00 (82.70 to 83.70): VV016091.D (-2760) (-)





#59

1,2,3-Trichloropropane

Concen: 9.523 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV016091.D

Acq: 18 May 2020 10:51

Instrument :

MSVOA_V

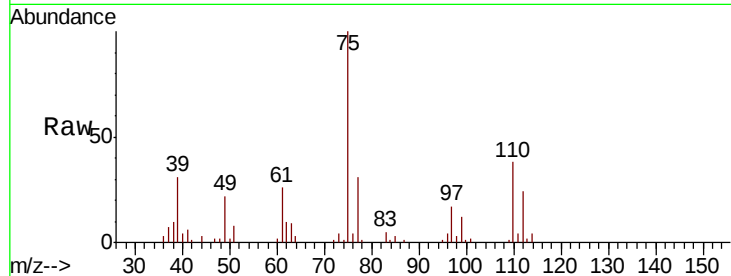
ClientSampleId :

Tot Ion: 75 Resp: 28287

Ion Ratio Lower Upper

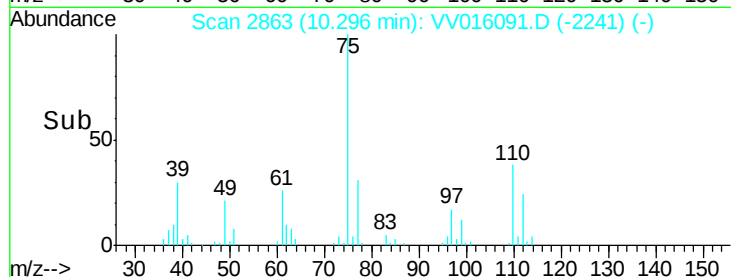
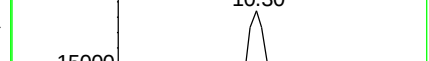
75 100

77 32.0 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VV016091.D (-2241) (-)

Ion 77.00 (76.70 to 77.70): VV016091.D (-2241) (-)



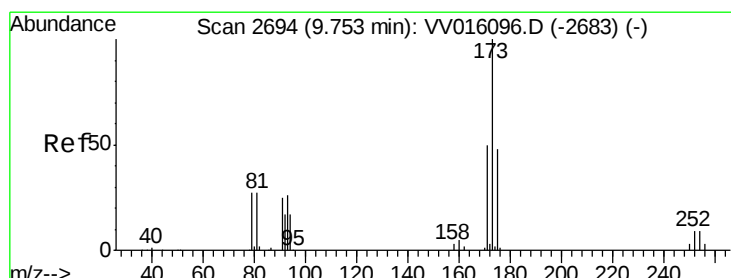
Abundance

Ion 75.00 (74.70 to 75.70): VV016091.D (-2241) (-)

Ion 77.00 (76.70 to 77.70): VV016091.D (-2241) (-)



Time-->



#61

Bromoform

Concen: 7.718 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV016091.D

Acq: 18 May 2020 10:51

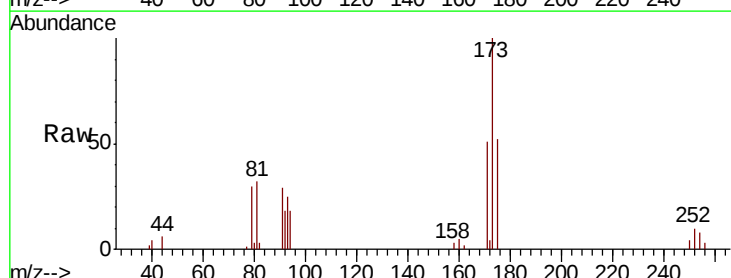
Tgt Ion: 173 Resp: 12383

Ion Ratio Lower Upper

173 100

175 50.0 38.3 57.5

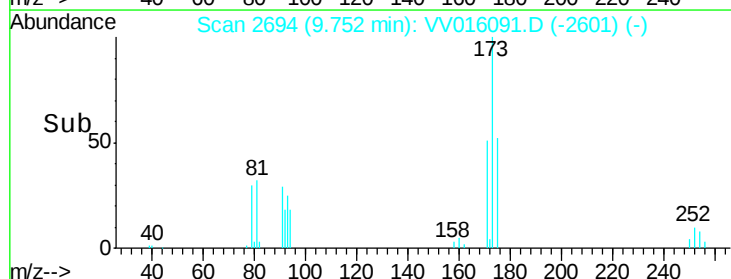
254 8.2 6.8 10.2



Abundance Ion 173.00 (172.70 to 173.70): VV016091.D (-2601) (-)

Ion 175.00 (174.70 to 175.70): VV016091.D (-2601) (-)

Ion 254.00 (253.70 to 254.70): VV016091.D (-2601) (-)

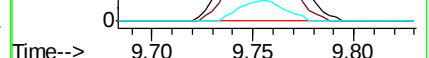


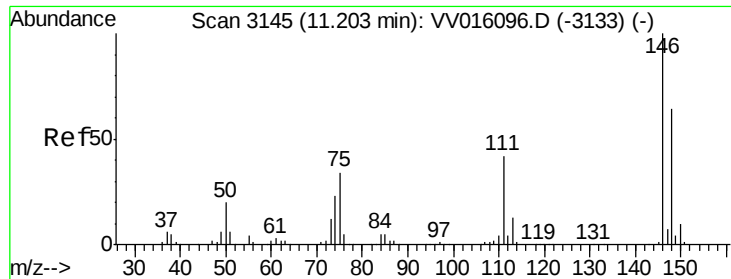
Abundance

Ion 173.00 (172.70 to 173.70): VV016091.D (-2601) (-)

Ion 175.00 (174.70 to 175.70): VV016091.D (-2601) (-)

Ion 254.00 (253.70 to 254.70): VV016091.D (-2601) (-)

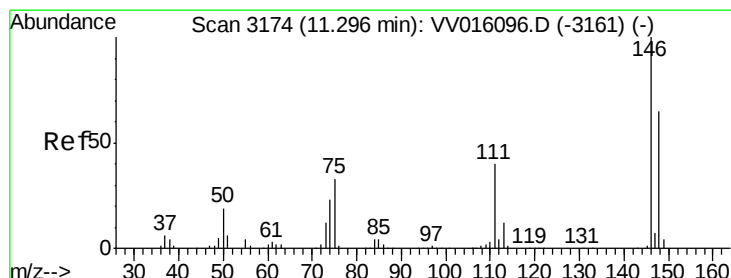
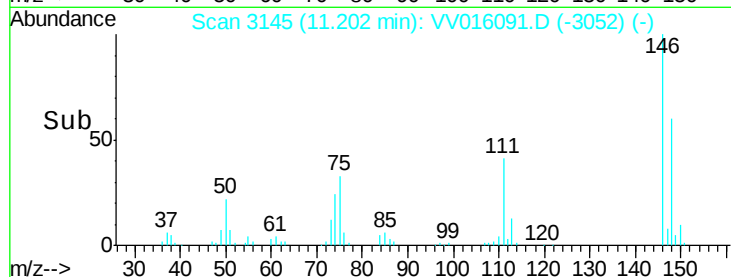
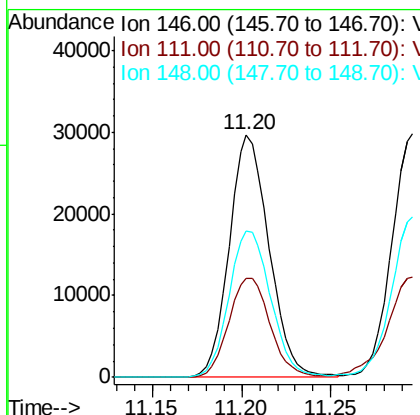
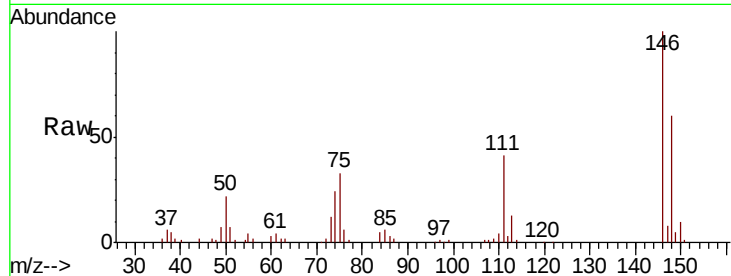




#62
 1,3-Dichlorobenzene
 Concen: 9.444 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV016091.D
 Acq: 18 May 2020 10:51

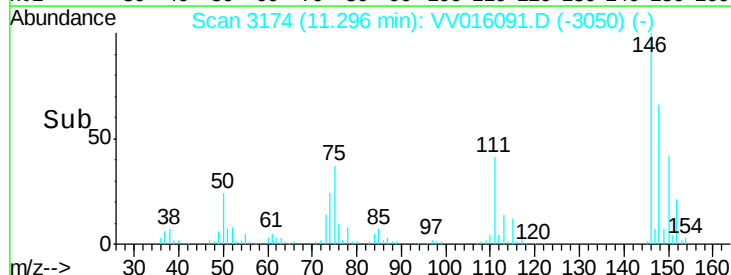
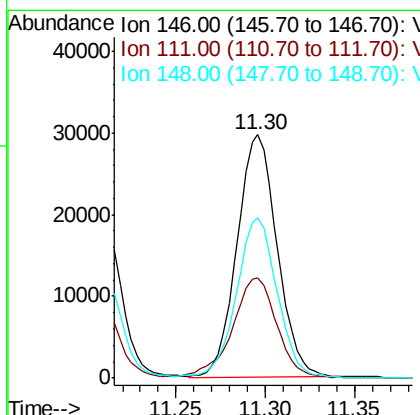
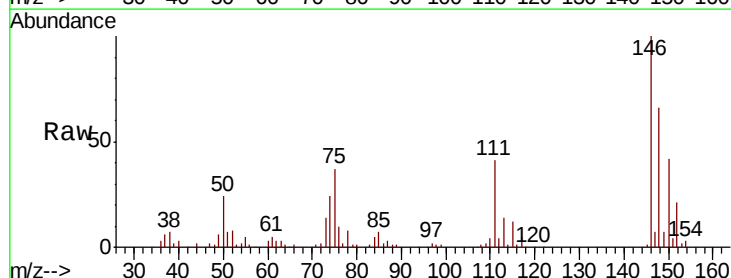
Instrument :
 MSVOA_V
 ClientSampleId :

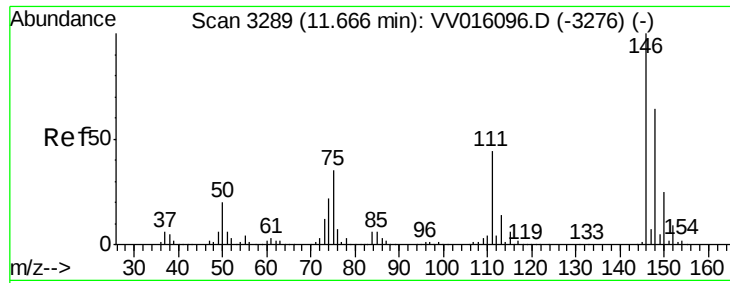
Tot Ion:146 Resp: 46053
 Ion Ratio Lower Upper
 146 100
 111 40.9 29.1 54.1
 148 60.4 44.5 82.7



#63
 1,4-Dichlorobenzene
 Concen: 9.371 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. -0.00 min
 Lab File: VV016091.D
 Acq: 18 May 2020 10:51

Tgt Ion:146 Resp: 46555
 Ion Ratio Lower Upper
 146 100
 111 41.1 28.1 52.3
 148 66.0 45.7 84.9





#65

1,2-Dichlorobenzene

Concen: 9.579 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV016091.D

Acq: 18 May 2020 10:51

Instrument :

MSVOA_V

ClientSampleId :

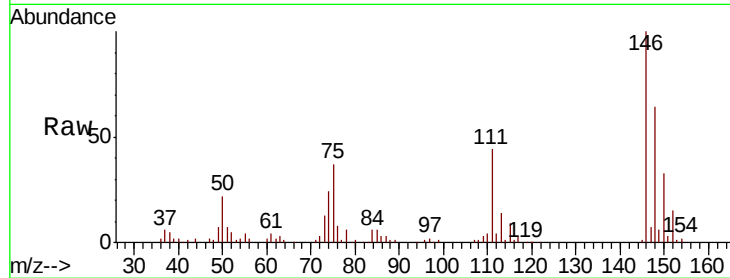
Tot Ion:146 Resp: 47491

Ion Ratio Lower Upper

146 100

111 44.0 35.2 52.8

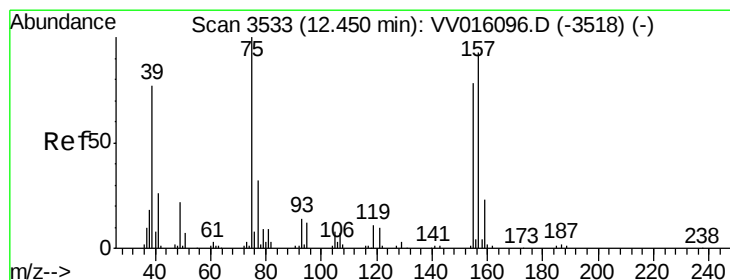
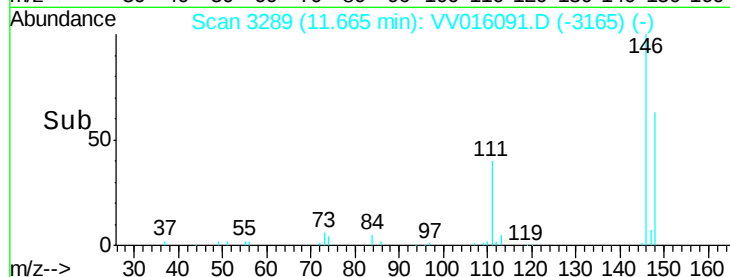
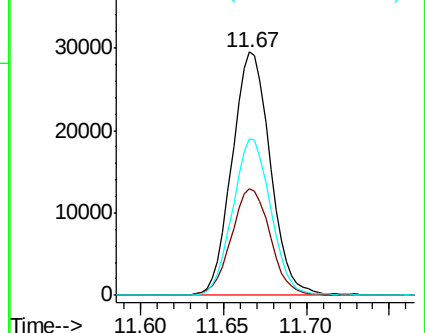
148 64.4 51.4 77.2



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



#66

1,2-Dibromo-3-chloropropane

Concen: 7.276 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV016091.D

Acq: 18 May 2020 10:51

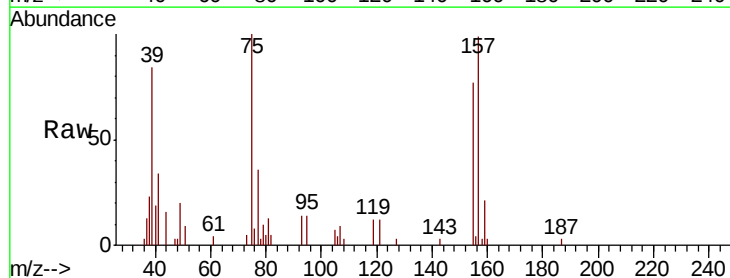
Tgt Ion: 75 Resp: 6895

Ion Ratio Lower Upper

75 100

155 76.6 62.1 93.1

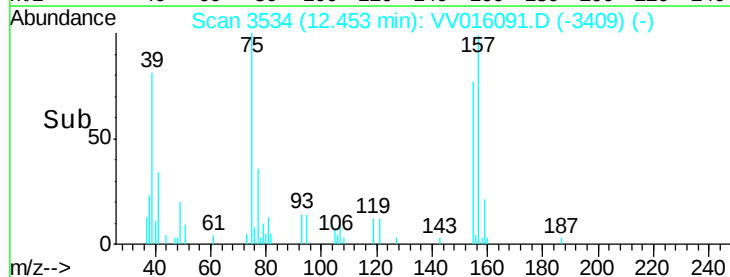
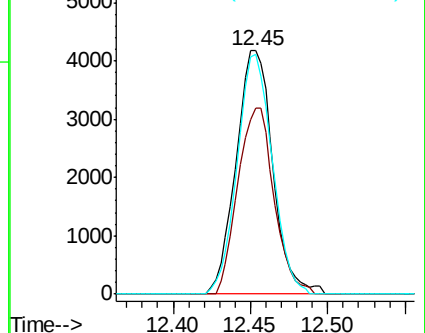
157 98.7 74.6 111.8

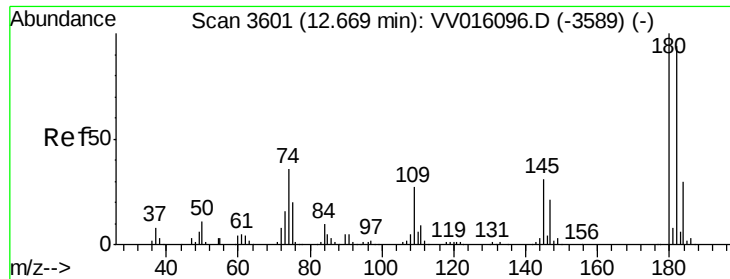


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

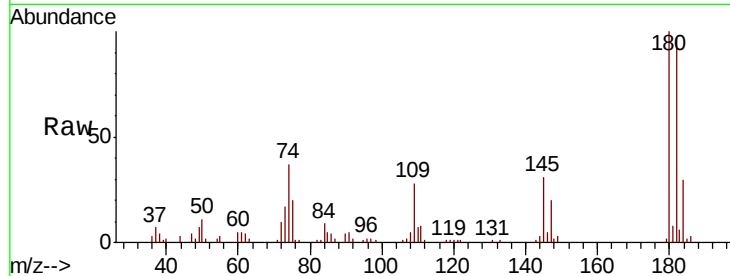




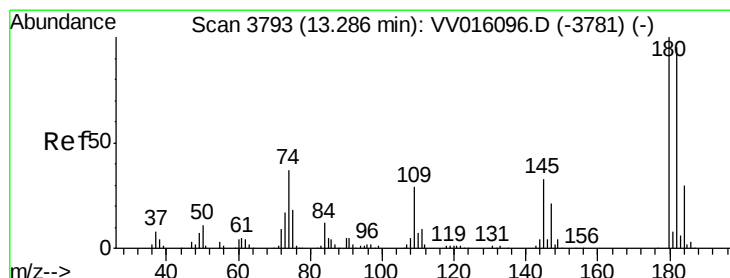
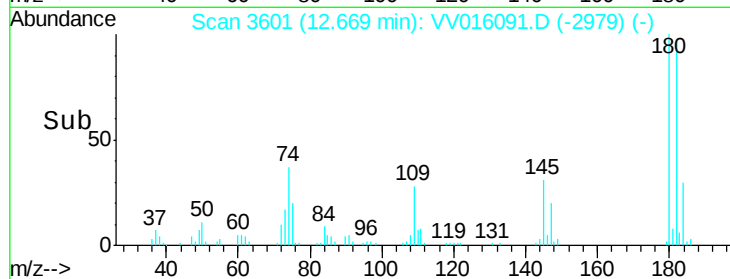
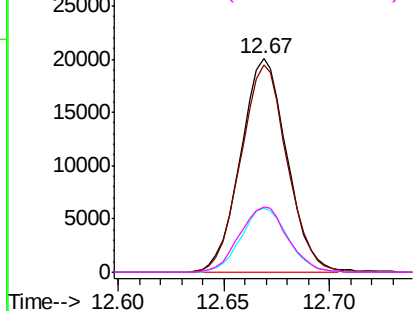
#67
 1,3,5-Trichlorobenzene
 Concen: 9.400 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV016091.D
 Acq: 18 May 2020 10:51

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 30614
 Ion Ratio Lower Upper
 180 100
 182 97.2 75.8 113.6
 184 30.1 24.3 36.5
 145 31.9 25.0 37.6

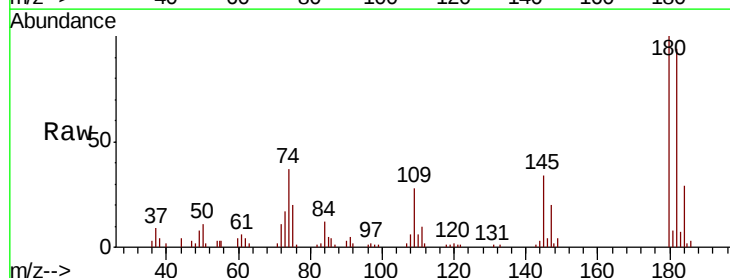


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

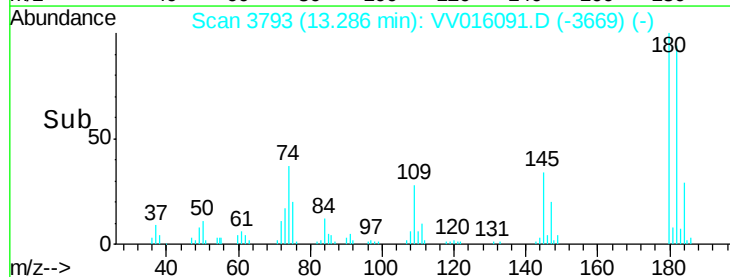
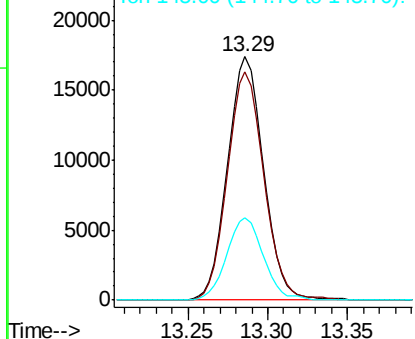


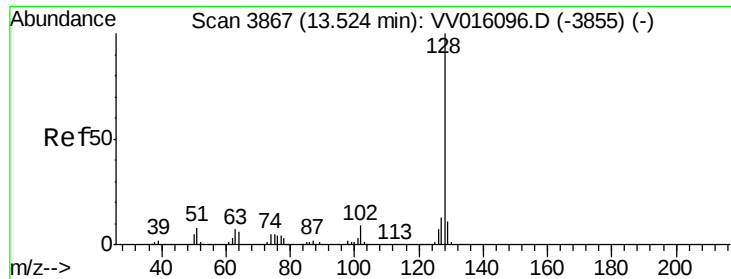
#68
 1,2,4-trichlorobenzene
 Concen: 8.961 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV016091.D
 Acq: 18 May 2020 10:51

Tgt Ion:180 Resp: 26648
 Ion Ratio Lower Upper
 180 100
 182 94.2 76.2 114.4
 145 34.2 26.2 39.2



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: 6.863 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV016091.D

Acq: 18 May 2020 10:51

Instrument :

MSVOA_V

ClientSampleId :

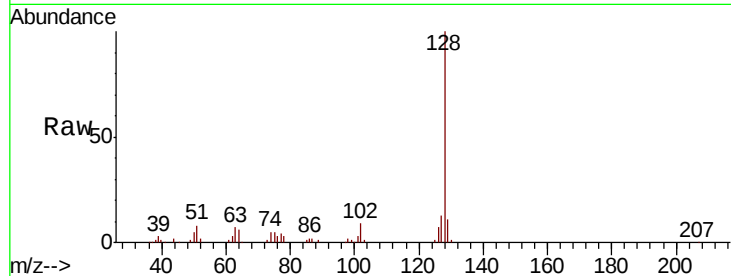
Tot Ion:128 Resp: 75182

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

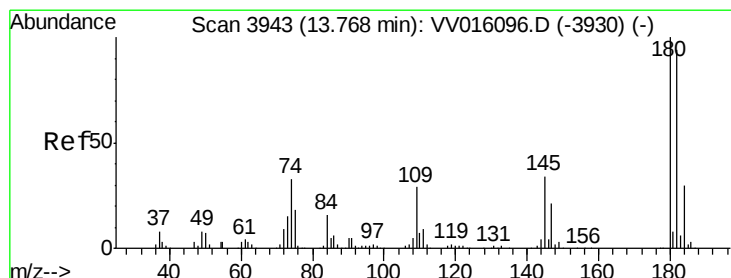
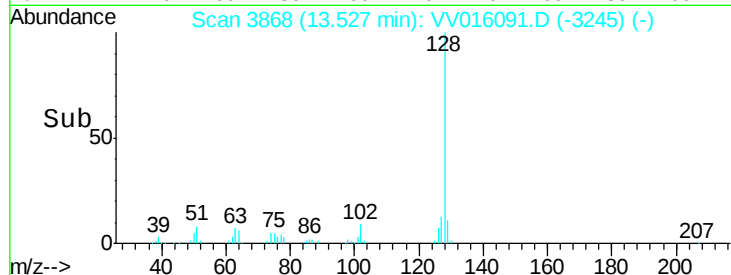
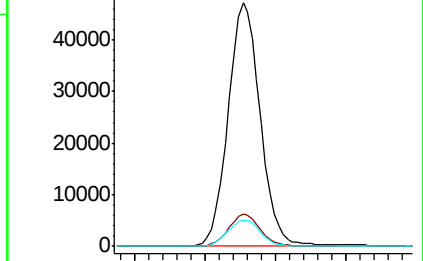
129 11.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 9.075 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV016091.D

Acq: 18 May 2020 10:51

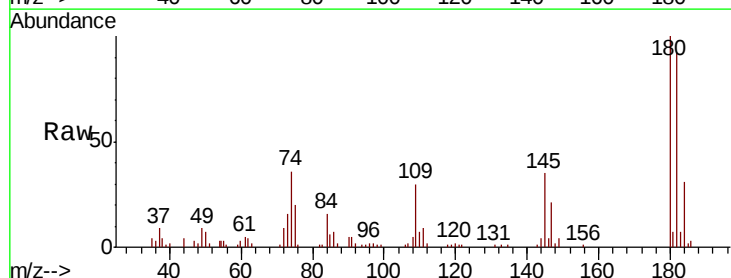
Tgt Ion:180 Resp: 27824

Ion Ratio Lower Upper

180 100

182 92.5 75.3 112.9

145 34.4 27.4 41.0



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

