

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090920\
 Data File : VV018164.D
 Acq On : 09 Sep 2020 11:22
 Operator : SY/MD
 Sample : VSTD10061
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10061

Quant Time: Sep 10 02:10:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 10 02:02:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	310500	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	304082	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	168874	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	252516	104.42	ug/L	0.00
7) Chloroethane-d5	1.58	69	200900	101.51	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	462773	100.85	ug/L	0.00
21) 2-Butanone-d5	3.91	46	323234	208.13	ug/L	0.00
24) Chloroform-d	4.38	84	442114	101.76	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	280555	99.93	ug/L	0.00
32) Benzene-d6	5.08	84	884441	104.67	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	277704	101.44	ug/L	0.00
41) Toluene-d8	7.34	98	821847	107.52	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	146073	115.06	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	245893	268.72	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	361178	101.62	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	344143	102.00	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	227125	94.254 ug/L	99
3) Chloromethane	1.25	50	246508	89.558 ug/L	100
5) Vinyl chloride	1.32	62	253728	92.829 ug/L	100
6) Bromomethane	1.53	94	154576	93.854 ug/L	98
8) Chloroethane	1.60	64	155986	89.398 ug/L	99
9) Trichlorofluoromethane	1.77	101	351070	90.125 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	210888	95.486 ug/L	99
12) 1,1-Dichloroethene	2.14	96	204961	97.934 ug/L	98
13) Acetone	2.19	43	230858	150.908 ug/L	99
14) Carbon disulfide	2.31	76	630195	106.972 ug/L	100
15) Methyl Acetate	2.45	43	222456	88.184 ug/L	100
16) Methylene chloride	2.52	84	222091	85.219 ug/L	100
17) trans-1,2-Dichloroethene	2.78	96	212501	98.714 ug/L	97
18) Methyl tert-butyl Ether	2.79	73	668562	95.565 ug/L	100
19) 1,1-Dichloroethane	3.21	63	393754	92.094 ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	229953	98.111 ug/L	98
22) 2-Butanone	3.99	43	315085	181.993 ug/L	99
23) Bromochloromethane	4.28	128	118546	96.494 ug/L	98
25) Chloroform	4.41	83	402090	92.221 ug/L	99
27) 1,2-Dichloroethane	5.15	62	313058	90.807 ug/L	99
29) Cyclohexane	4.71	56	373322	101.553 ug/L	99
30) 1,1,1-Trichloroethane	4.64	97	357053	96.211 ug/L	99
31) Carbon tetrachloride	4.86	117	315500	100.740 ug/L	99
33) Benzene	5.13	78	878690	94.374 ug/L	100
34) Trichloroethene	5.94	95	231542	93.417 ug/L	99
35) Methylcyclohexane	6.16	83	379915	102.091 ug/L	99
37) 1,2-Dichloropropane	6.20	63	231810	91.800 ug/L	99
38) Bromodichloromethane	6.53	83	305114	96.462 ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	378410	104.337 ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	603597	185.961 ug/L	99

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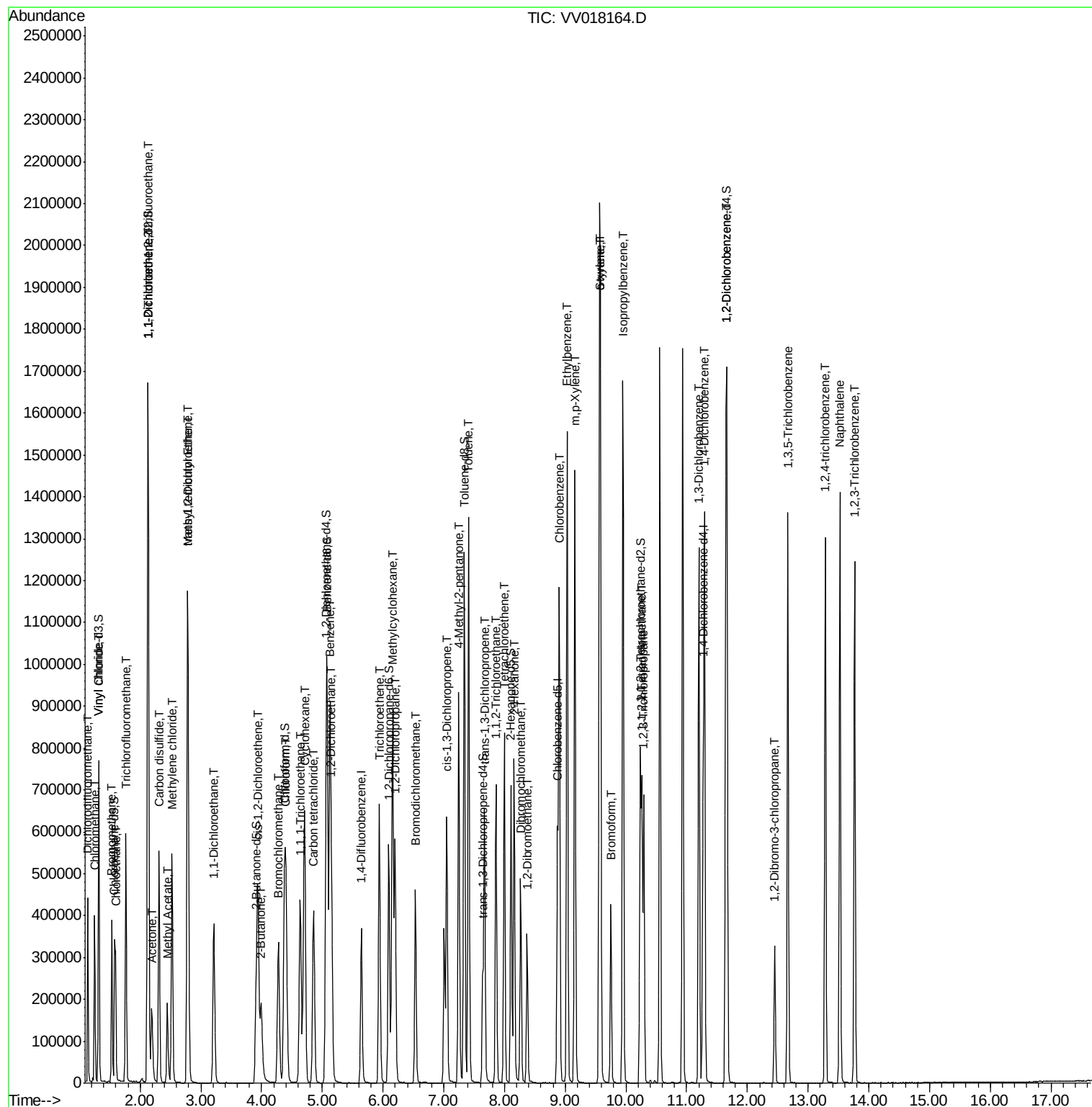
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	953949	97.737	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	366700	106.160	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	215436	91.878	ug/L	99
46) Tetrachloroethene	8.00	164	188770	102.015	ug/L	100
48) 2-Hexanone	8.16	43	466589	179.124	ug/L	98
49) Dibromochloromethane	8.27	129	248271	105.930	ug/L	100
50) 1,2-Dibromoethane	8.37	107	230239	94.496	ug/L	100
51) Chlorobenzene	8.90	112	603407	95.717	ug/L	99
52) Ethylbenzene	9.03	91	1061997	99.629	ug/L	100
53) m,p-Xylene	9.16	106	402038	102.321	ug/L	98
54) o-xylene	9.56	106	388469	100.144	ug/L	99
55) Styrene	9.58	104	688258	103.836	ug/L	98
56) Isopropylbenzene	9.95	105	1057608	103.017	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	334227	92.553	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	276112	89.340	ug/L	100
61) Bromoform	9.75	173	188075	113.681	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	512715	95.493	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	518410	93.955	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	508915	92.615	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	79413	100.455	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	417100	101.361	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	391098	108.123	ug/L	99
69) Naphthalene	13.52	128	1055346	108.340	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	378701	103.573	ug/L	100

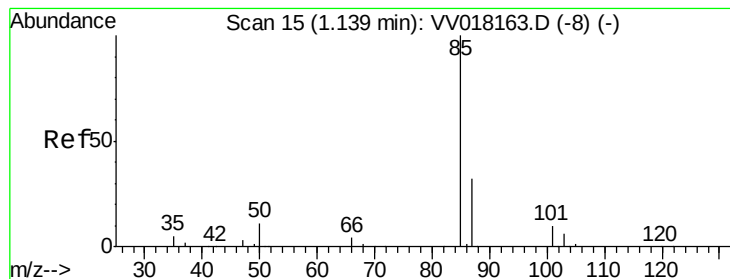
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 94.254 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV018164.D

Acq: 09 Sep 2020 11:22

Instrument :

MSVOA_V

ClientSampleId :

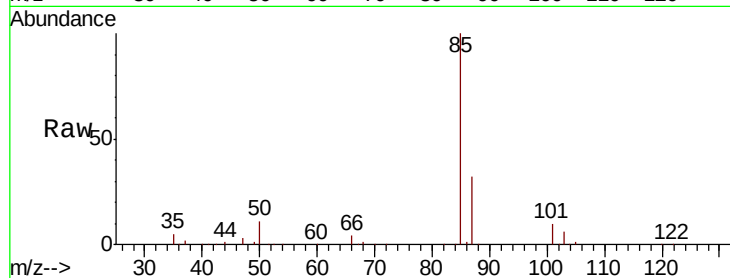
VSTD10061

Tot Ion: 85 Resp: 227125

Ion Ratio Lower Upper

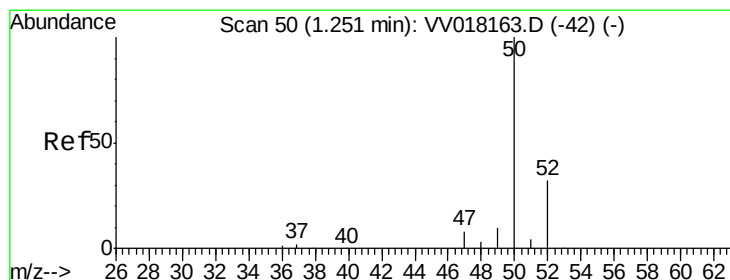
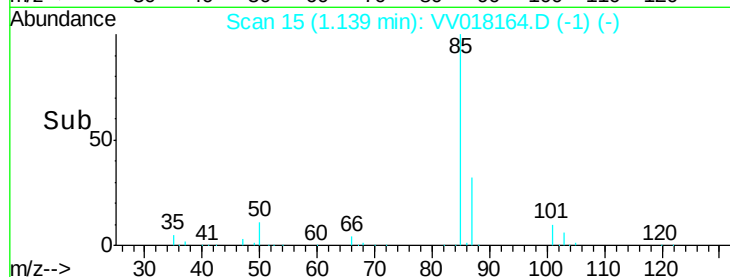
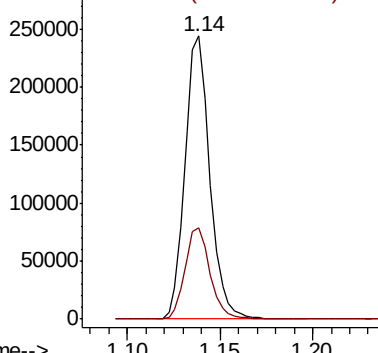
85 100

87 32.4 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 89.558 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV018164.D

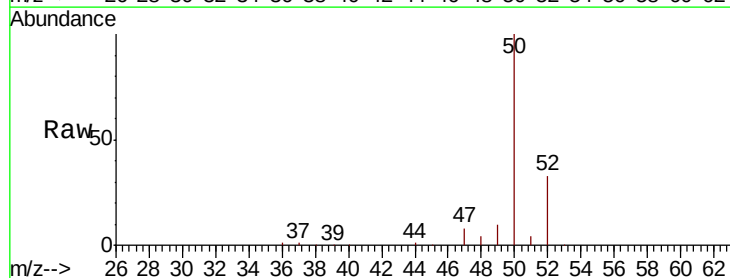
Acq: 09 Sep 2020 11:22

Tgt Ion: 50 Resp: 246508

Ion Ratio Lower Upper

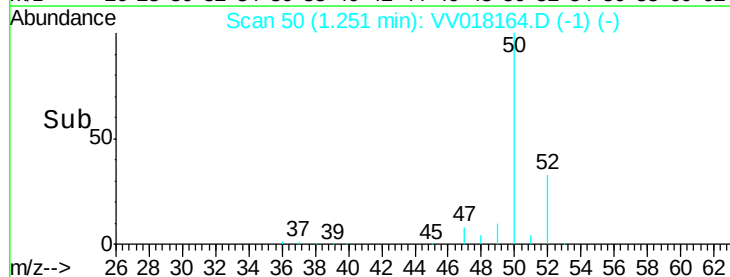
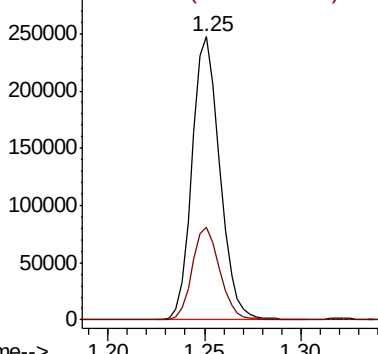
50 100

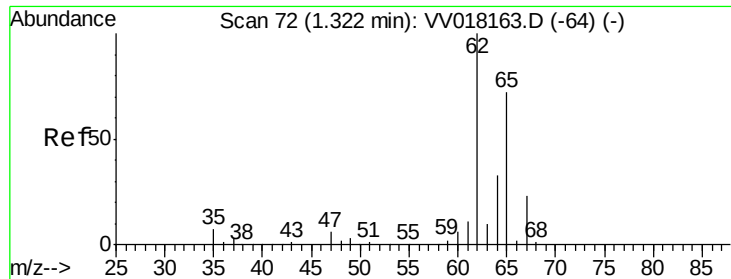
52 32.7 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 92.829 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV018164.D

Acq: 09 Sep 2020 11:22

Instrument :

MSVOA_V

ClientSampleId :

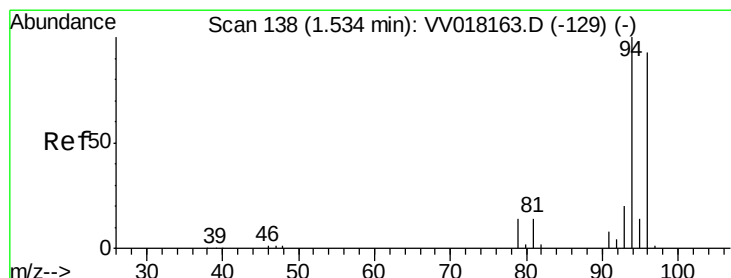
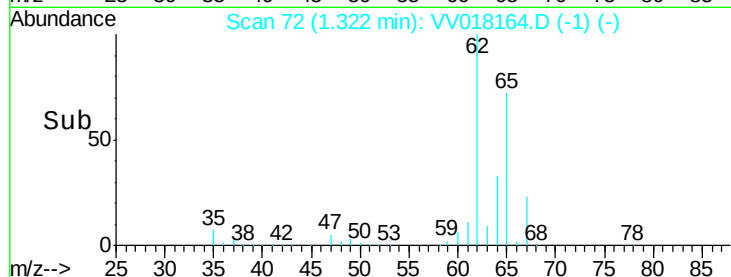
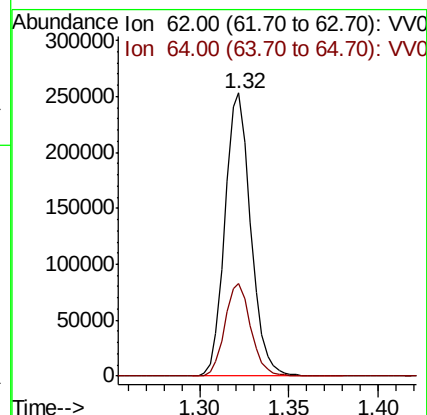
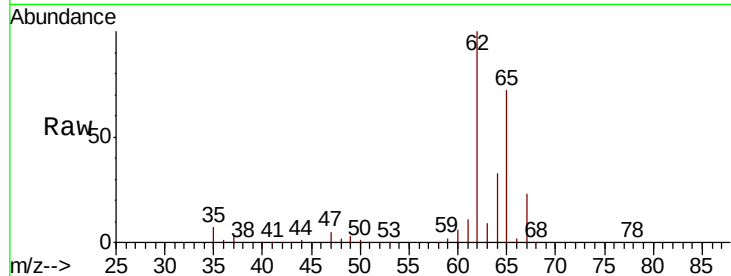
VSTD10061

Tot Ion: 62 Resp: 253728

Ion Ratio Lower Upper

62 100

64 32.9 23.1 42.9



#6

Bromomethane

Concen: 93.854 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV018164.D

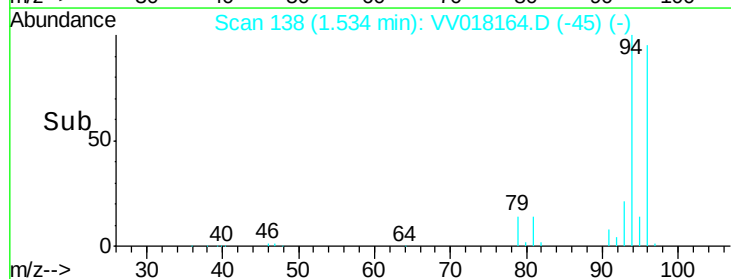
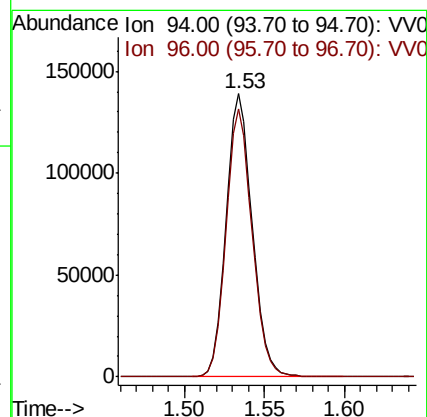
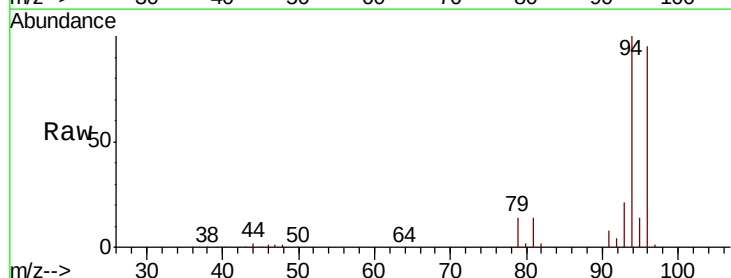
Acq: 09 Sep 2020 11:22

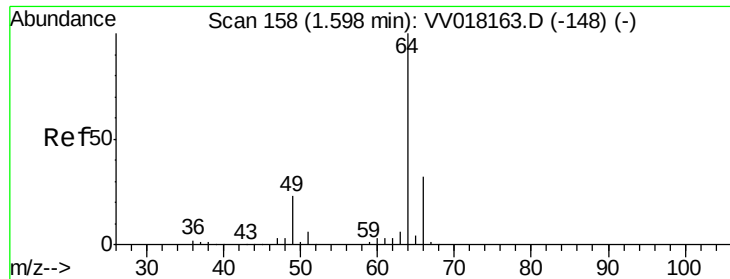
Tgt Ion: 94 Resp: 154576

Ion Ratio Lower Upper

94 100

96 94.6 65.1 120.9





#8

Chloroethane

Concen: 89.398 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV018164.D

Acq: 09 Sep 2020 11:22

Instrument :

MSVOA_V

ClientSampleId :

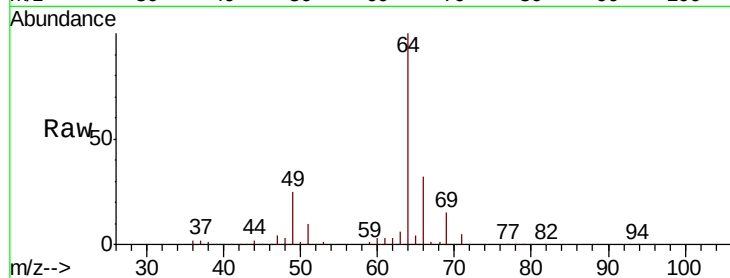
VSTD10061

Tot Ion: 64 Resp: 155986

Ion Ratio Lower Upper

64 100

66 31.7 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0

150000

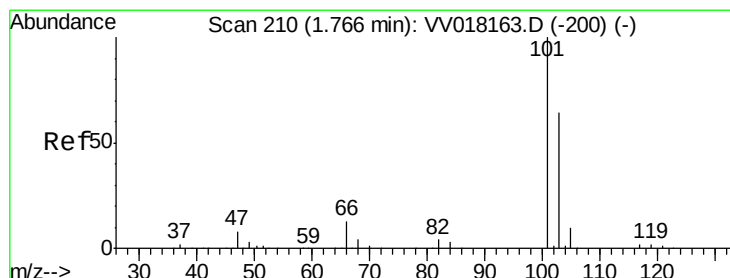
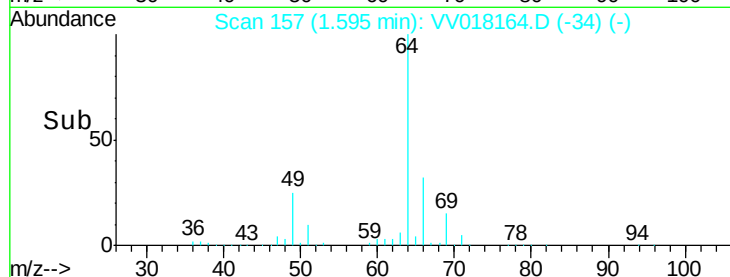
100000

50000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 90.125 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV018164.D

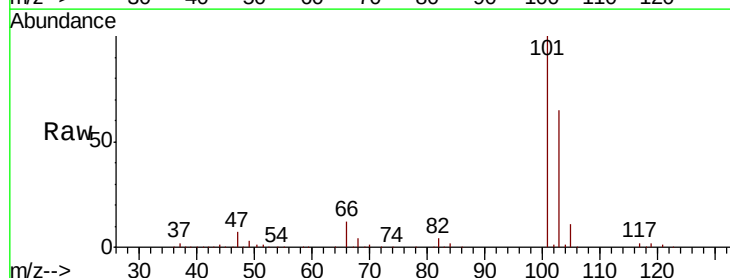
Acq: 09 Sep 2020 11:22

Tgt Ion: 101 Resp: 351070

Ion Ratio Lower Upper

101 100

103 64.5 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

300000

250000

200000

150000

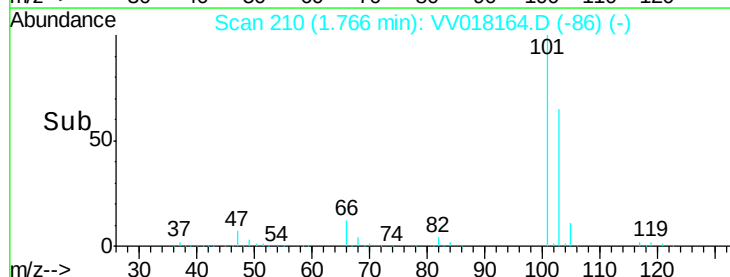
100000

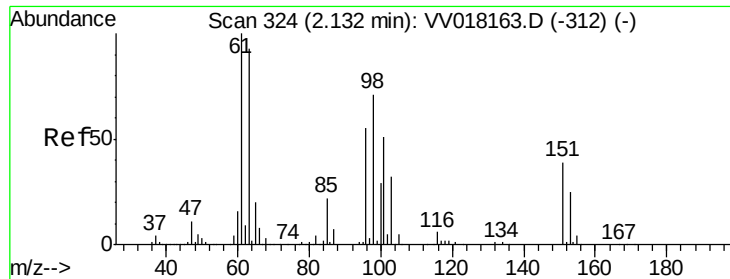
50000

0

1.70 1.75 1.80 1.85

Time-->





#10

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

Concen: 95.486 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018164.D

Acq: 09 Sep 2020 11:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD10061

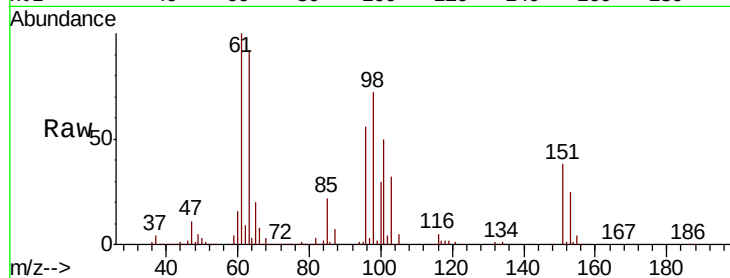
Tot Ion:101 Resp: 210888

Ion Ratio Lower Upper

101 100

85 42.8 33.5 50.3

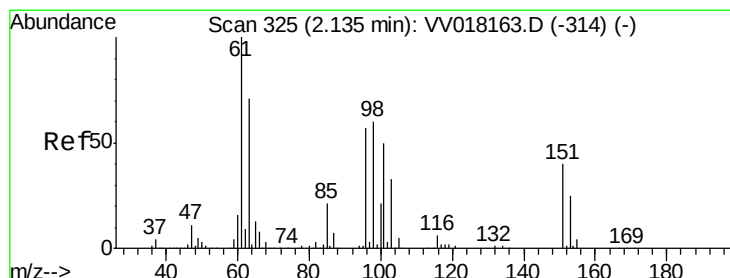
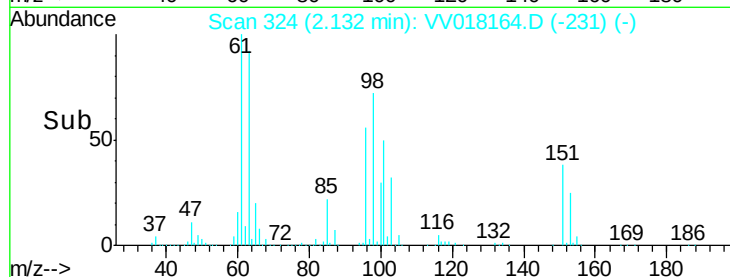
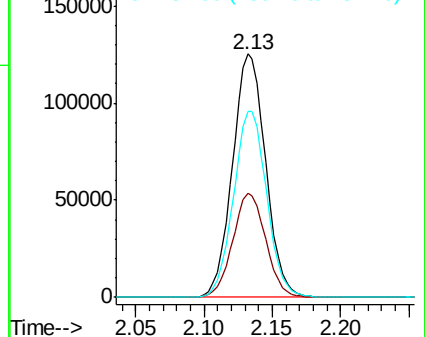
151 76.8 62.2 93.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 97.934 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV018164.D

Acq: 09 Sep 2020 11:22

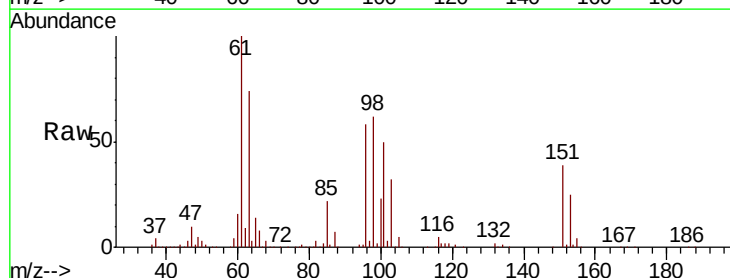
Tgt Ion: 96 Resp: 204961

Ion Ratio Lower Upper

96 100

61 172.9 122.9 228.3

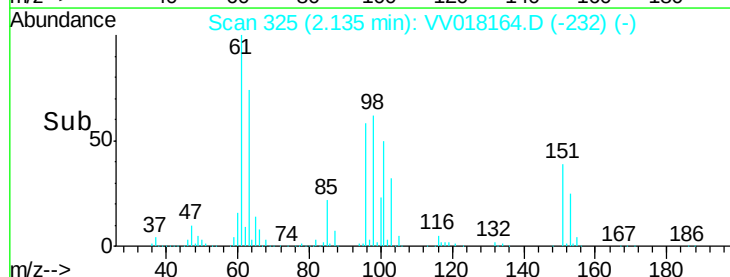
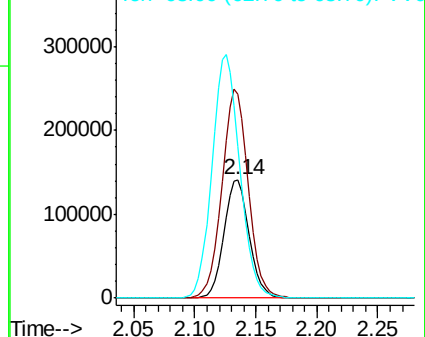
63 128.5 91.9 170.7

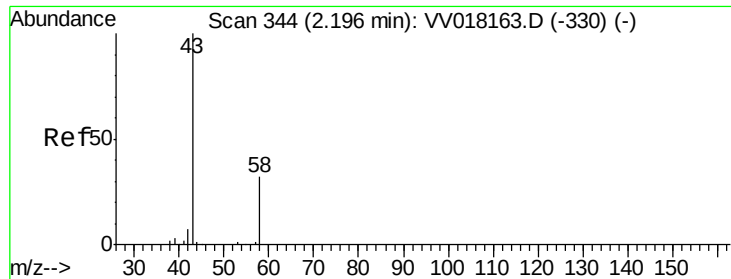


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 150.908 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.01 min

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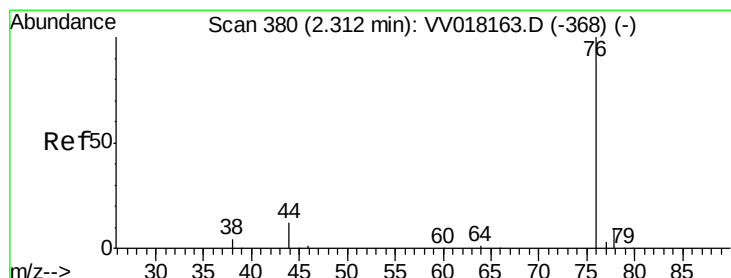
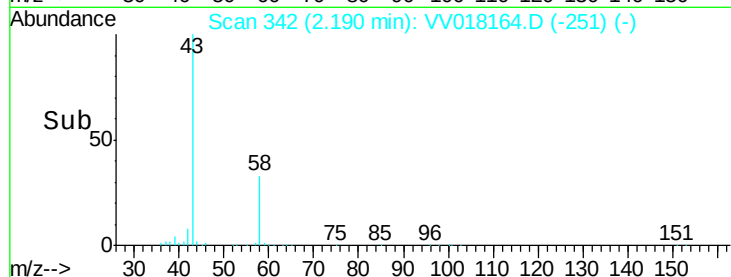
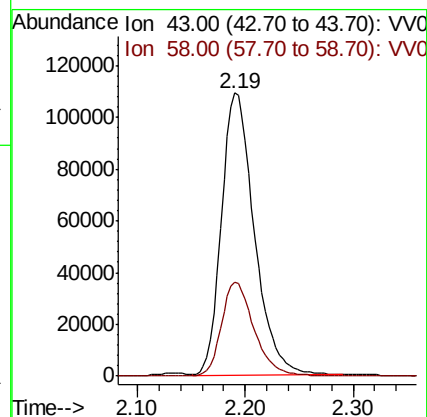
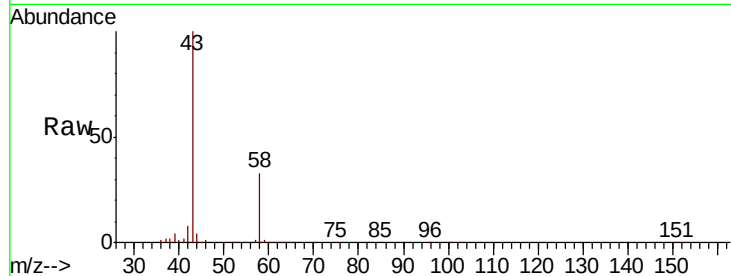
VSTD10061

Tot Ion: 43 Resp: 230858

Ion Ratio Lower Upper

43 100

58 33.0 0.0 67.4



#14

Carbon disulfide

Concen: 106.972 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV018164.D

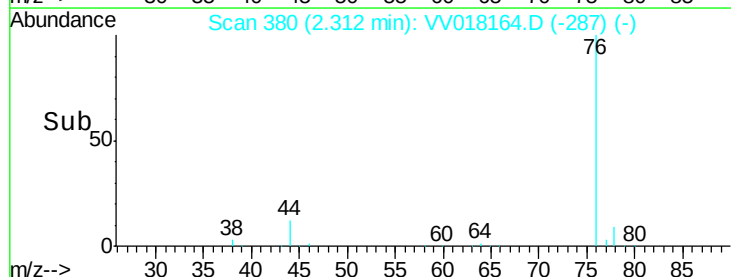
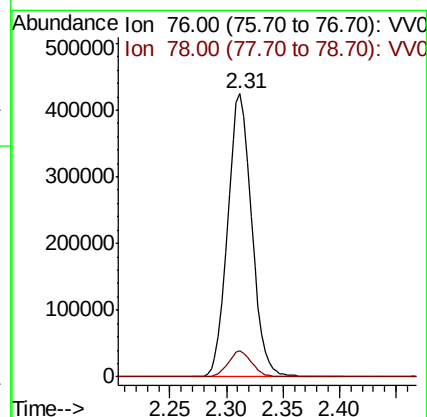
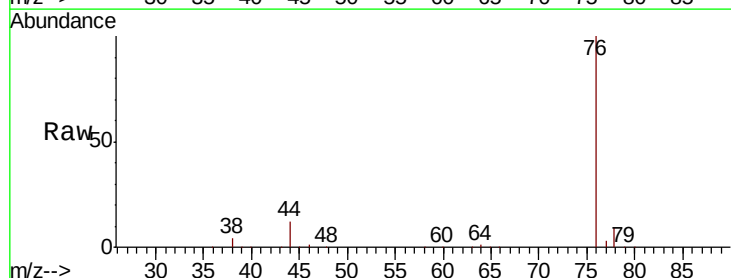
Acq: 09 Sep 2020 11:22

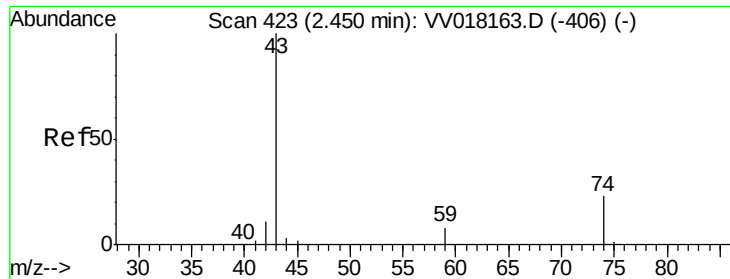
Tgt Ion: 76 Resp: 630195

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9

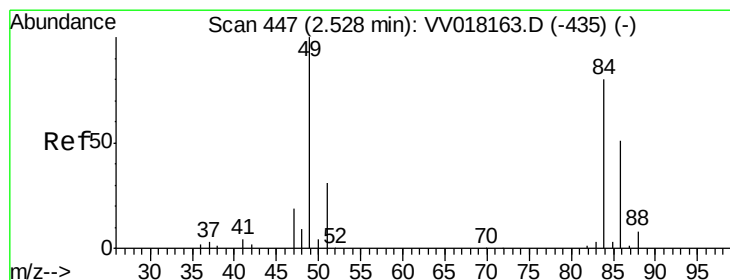
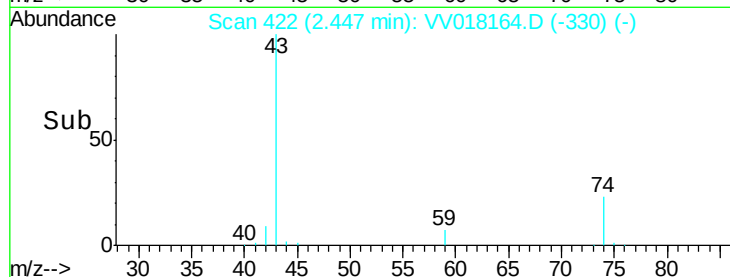
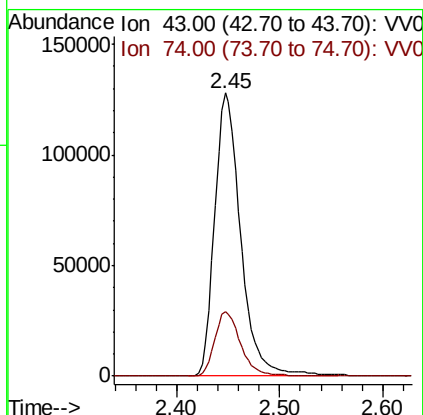
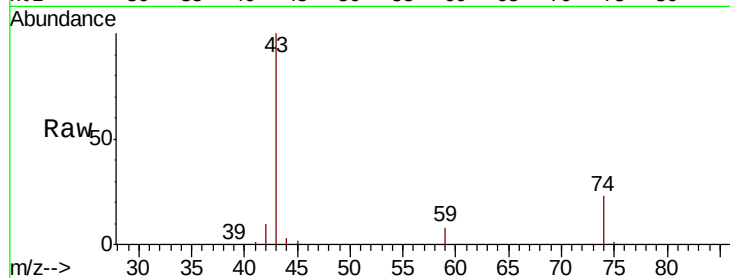




#15
Methvl Acetate
Concen: 88.184 ug/L
RT: 2.45 min Scan# 422
Delta R.T. -0.00 min
Lab File: VV018164.D
Acq: 09 Sep 2020 11:22

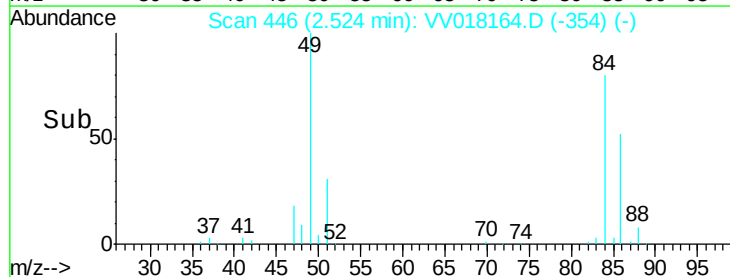
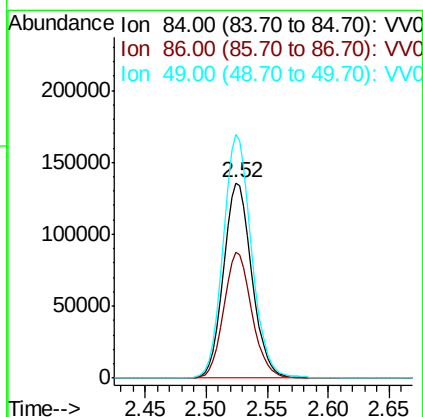
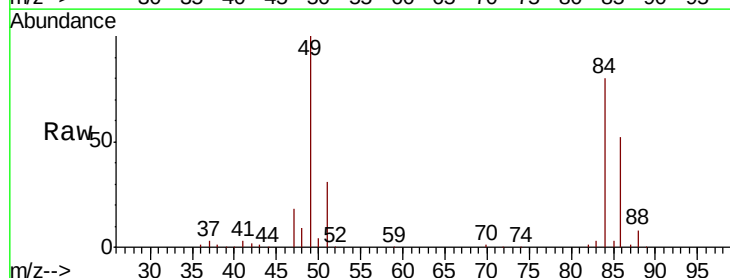
Instrument :
MSVOA_V
ClientSampleId :
VSTD10061

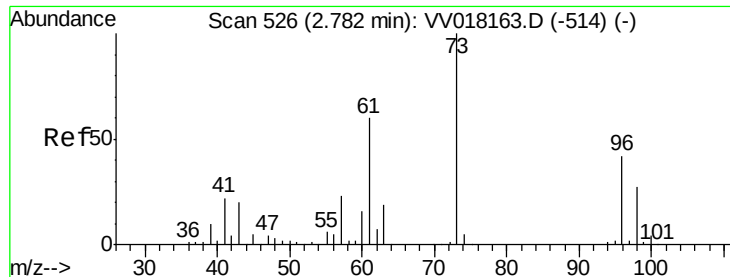
Tot Ion: 43 Resp: 222456
Ion Ratio Lower Upper
43 100
74 22.8 18.4 27.6



#16
Methylene chloride
Concen: 85.219 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV018164.D
Acq: 09 Sep 2020 11:22

Tgt Ion: 84 Resp: 222091
Ion Ratio Lower Upper
84 100
86 64.1 44.4 82.4
49 124.5 87.2 162.0

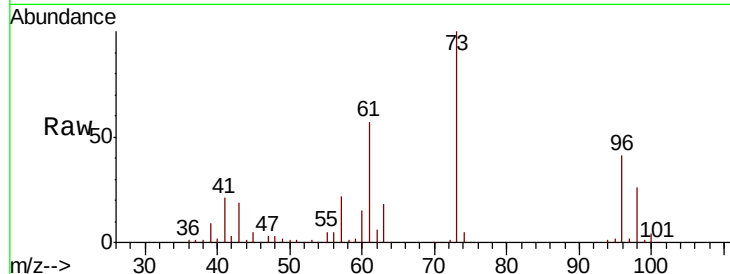




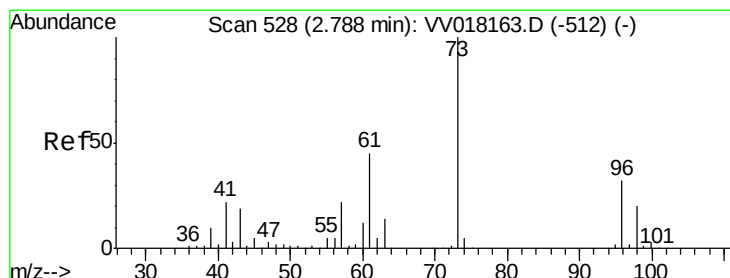
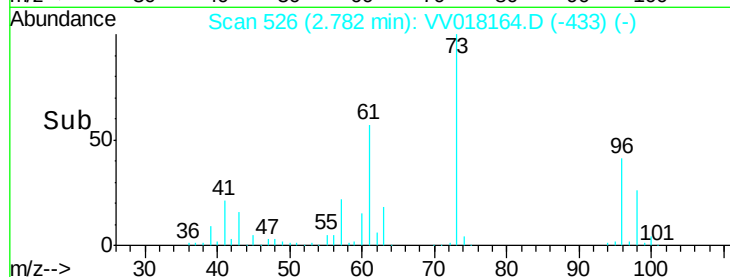
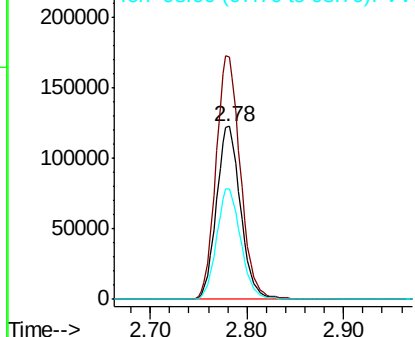
#17
trans-1,2-Dichloroethene
Concen: 98.714 ug/L
RT: 2.78 min Scan# 526
Delta R.T. -0.00 min
Lab File: VV018164.D
Acq: 09 Sep 2020 11:22

Instrument :
MSVOA_V
ClientSampleId :
VSTD10061

Tot Ion: 96 Resp: 212501
Ion Ratio Lower Upper
96 100
61 139.7 100.7 186.9
98 63.6 45.2 84.0

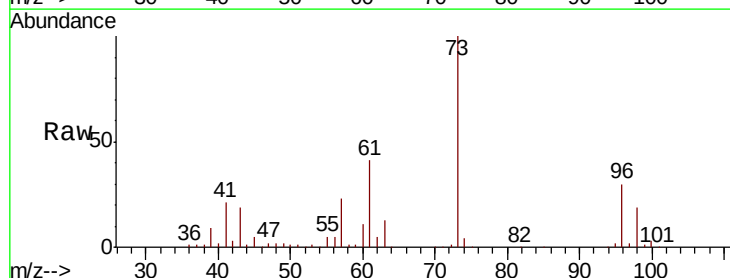


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

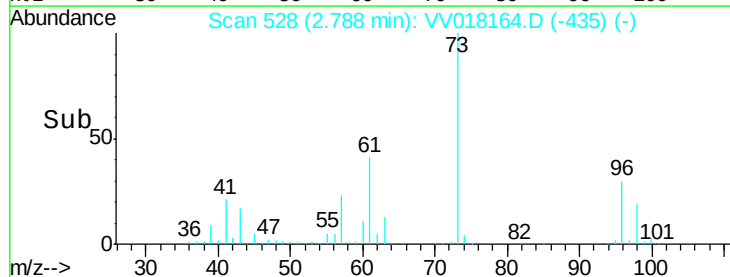
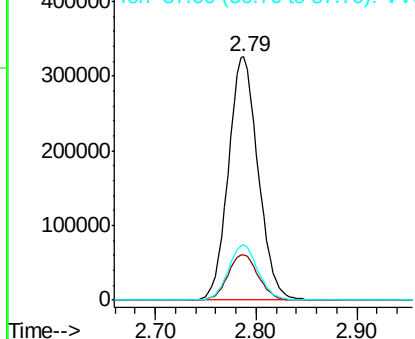


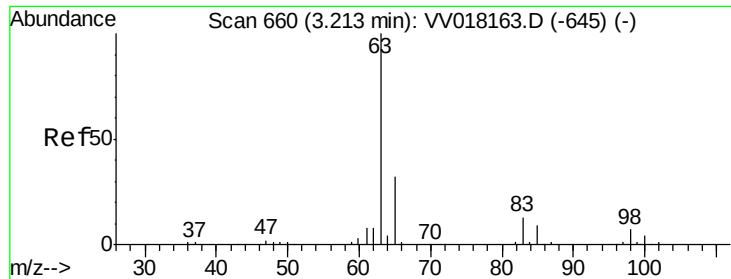
#18
Methyl tert-butyl Ether
Concen: 95.565 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV018164.D
Acq: 09 Sep 2020 11:22

Tgt Ion: 73 Resp: 668562
Ion Ratio Lower Upper
73 100
43 18.9 15.4 23.0
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

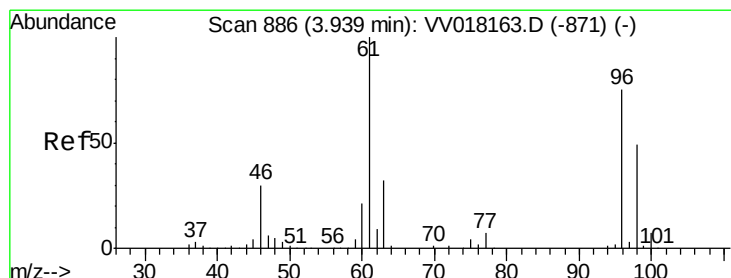
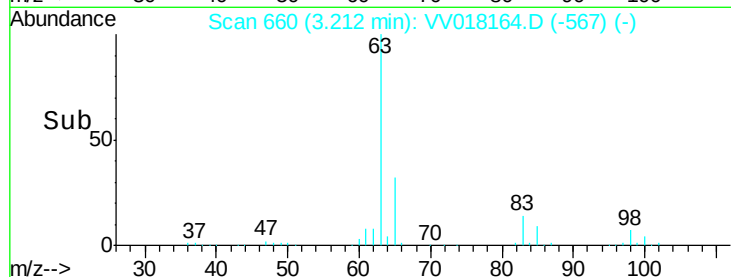
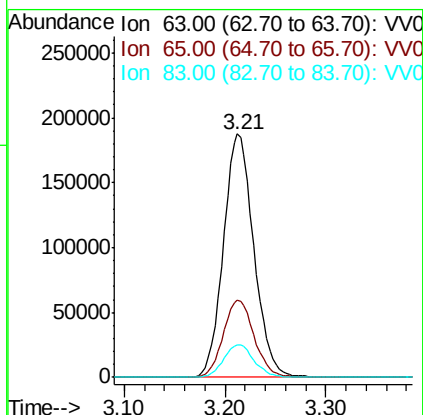
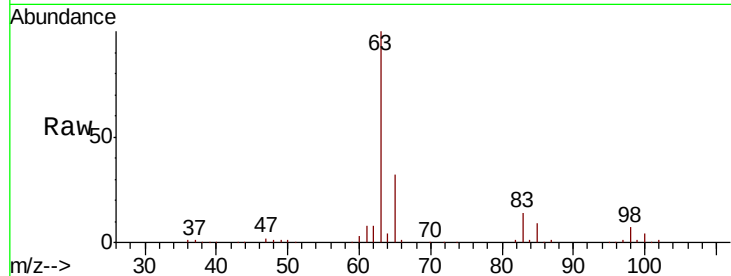




#19
 1,1-Dichloroethane
 Concen: 92.094 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. -0.00 min
 Lab File: VV018164.D
 Acq: 09 Sep 2020 11:22

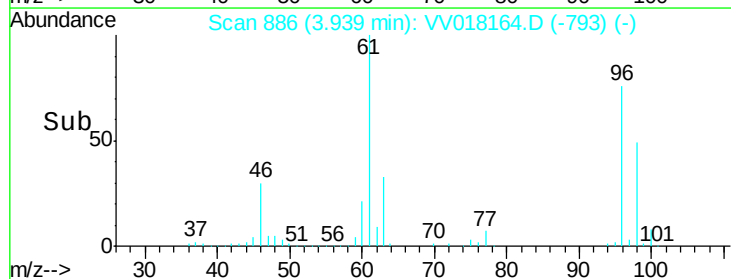
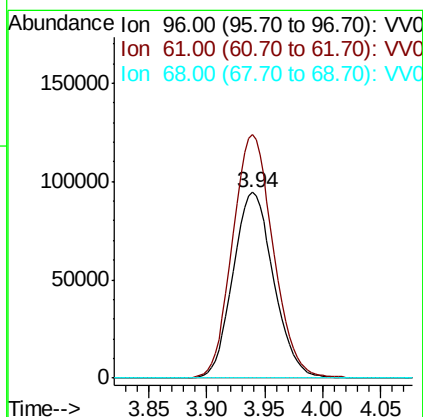
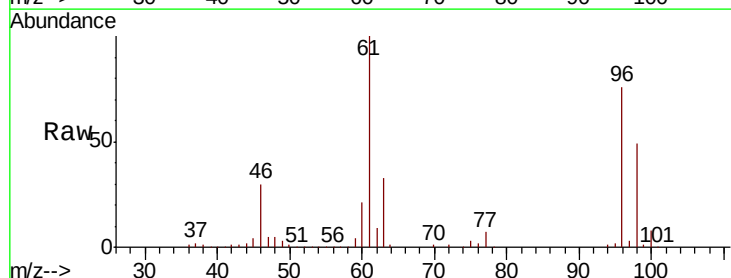
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10061

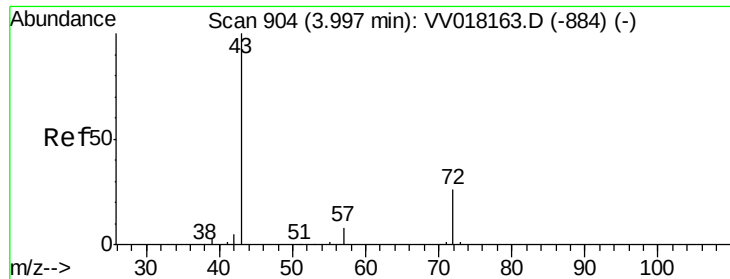
Tot Ion: 63 Resp: 393754
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.5 41.7
 83 13.5 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 98.111 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: VV018164.D
 Acq: 09 Sep 2020 11:22

Tgt Ion: 96 Resp: 229953
 Ion Ratio Lower Upper
 96 100
 61 130.9 93.6 173.8
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 181.993 ug/L

RT: 3.99 min Scan# 902

Delta R.T. -0.01 min

Lab File: VV018164.D

Acq: 09 Sep 2020 11:22

Instrument :

MSVOA_V

ClientSampleId :

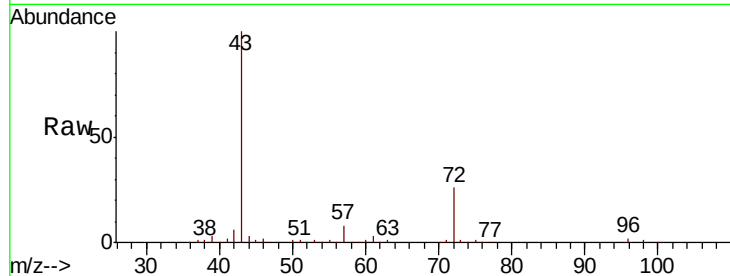
VSTD10061

Tot Ion: 43 Resp: 315085

Ion Ratio Lower Upper

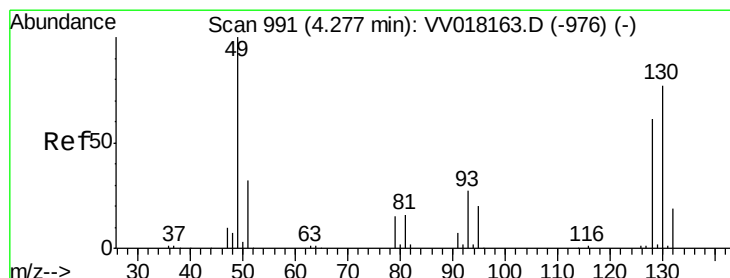
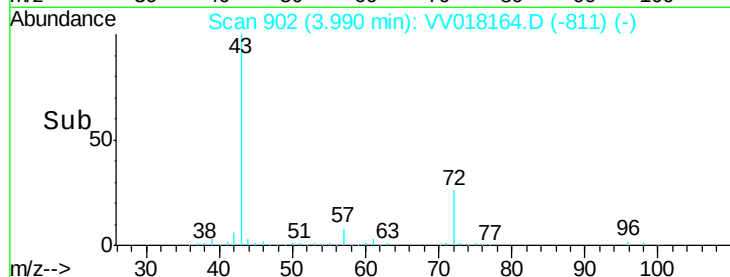
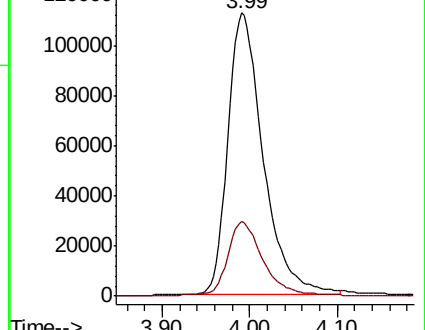
43 100

72 25.5 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VV018164.D (-811) (-)

Ion 72.00 (71.70 to 72.70): VV018164.D (-811) (-)



#23

Bromochloromethane

Concen: 96.494 ug/L

RT: 4.28 min Scan# 991

Delta R.T. -0.00 min

Lab File: VV018164.D

Acq: 09 Sep 2020 11:22

Tgt Ion: 128 Resp: 118546

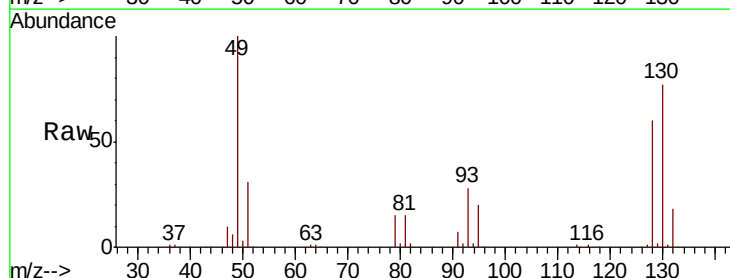
Ion Ratio Lower Upper

128 100

49 166.2 114.4 212.6

130 128.2 87.9 163.3

51 51.6 41.8 62.8

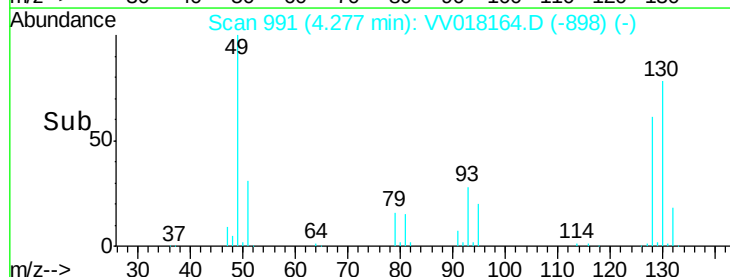
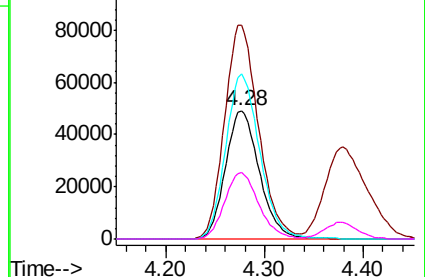


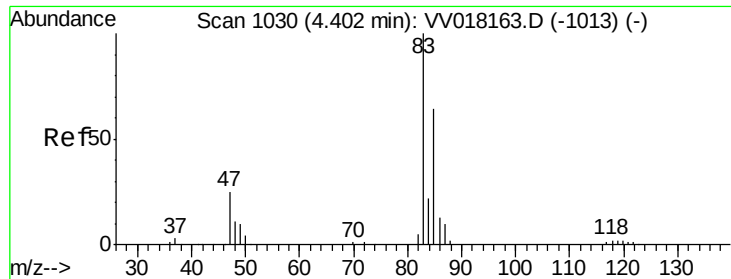
Abundance Ion 128.00 (127.70 to 128.70): VV018164.D (-898) (-)

Ion 49.00 (48.70 to 49.70): VV018164.D (-898) (-)

Ion 130.00 (129.70 to 130.70): VV018164.D (-898) (-)

Ion 51.00 (50.70 to 51.70): VV018164.D (-898) (-)

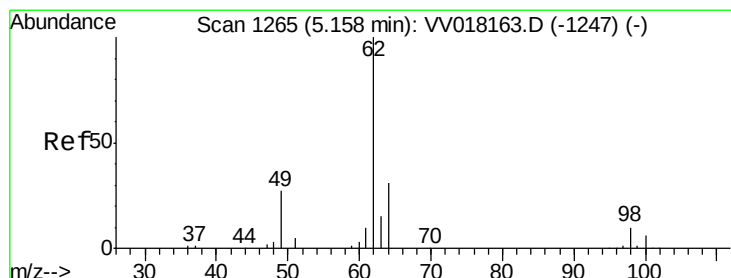
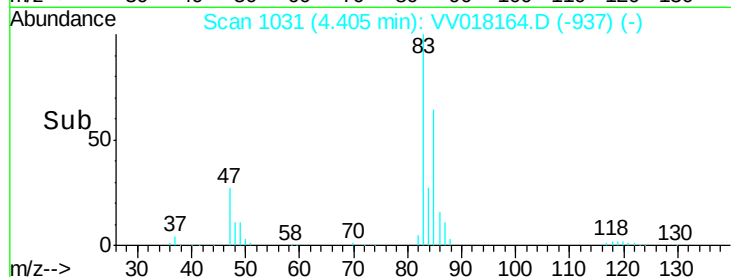
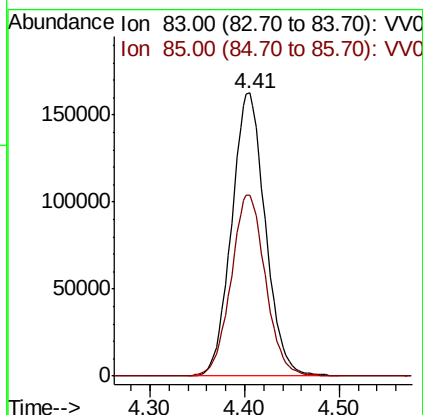
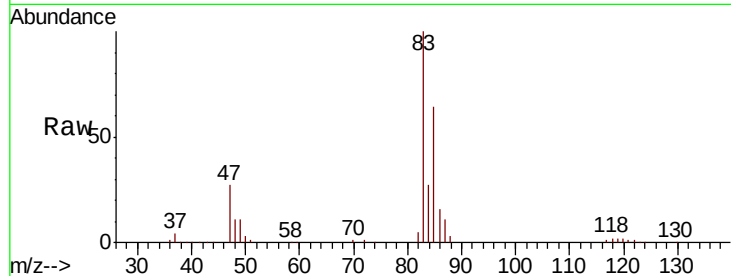




#25
Chloroform
Concen: 92.221 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV018164.D
Acq: 09 Sep 2020 11:22

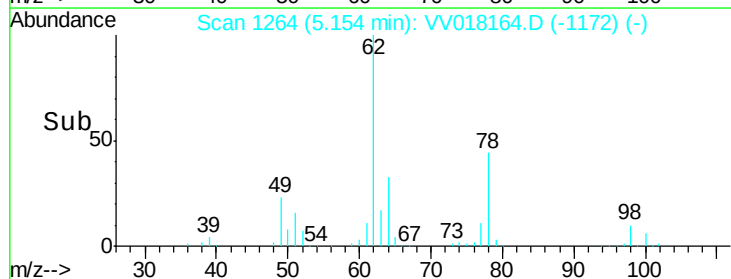
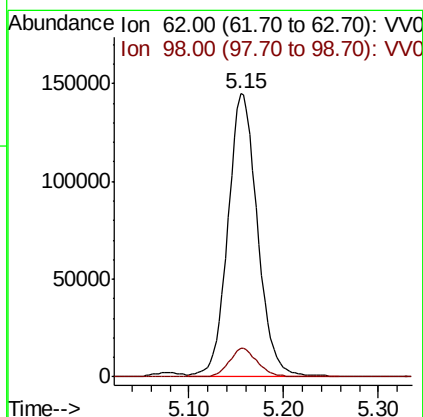
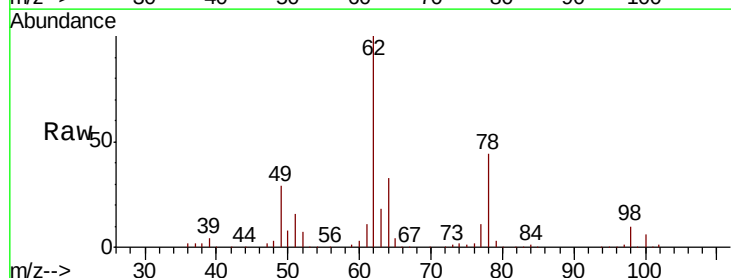
Instrument :
MSVOA_V
ClientSampleId :
VSTD10061

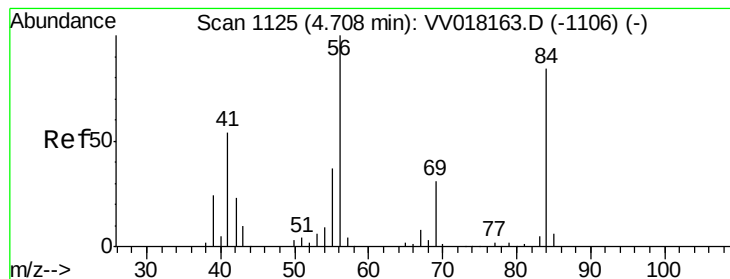
Tot Ion: 83 Resp: 402090
Ion Ratio Lower Upper
83 100
85 63.8 45.0 83.6



#27
1,2-Dichloroethane
Concen: 90.807 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV018164.D
Acq: 09 Sep 2020 11:22

Tgt Ion: 62 Resp: 313058
Ion Ratio Lower Upper
62 100
98 9.9 7.6 11.4





#29

Cyclohexane

Concen: 101.553 ug/L

RT: 4.71 min Scan# 1125

Delta R.T. -0.00 min

Lab File: VV018164.D

Acq: 09 Sep 2020 11:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD10061

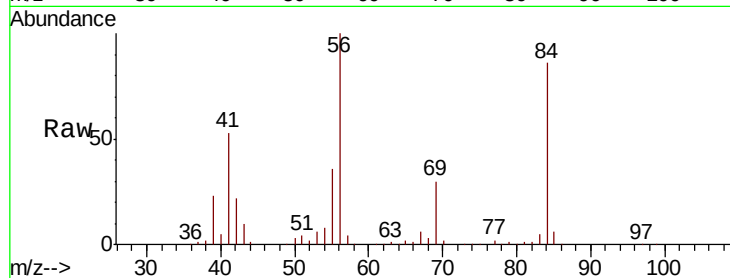
Tot Ion: 56 Resp: 373322

Ion Ratio Lower Upper

56 100

69 30.5 24.2 36.2

84 86.0 68.3 102.5

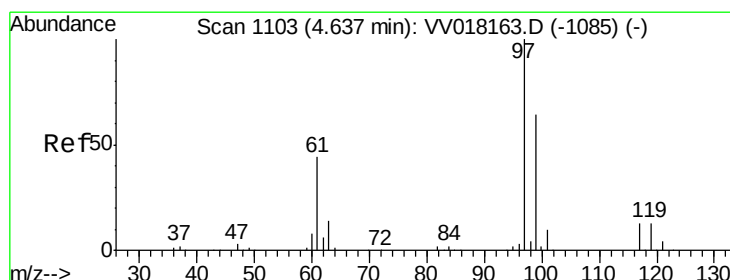
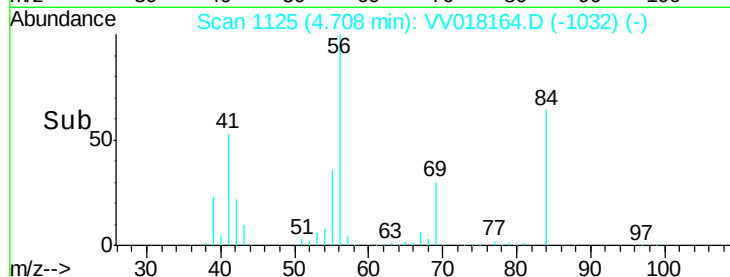
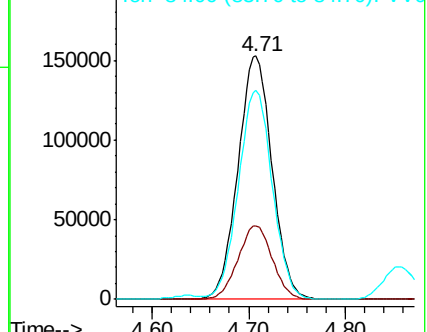


Abundance

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: 96.211 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VV018164.D

Acq: 09 Sep 2020 11:22

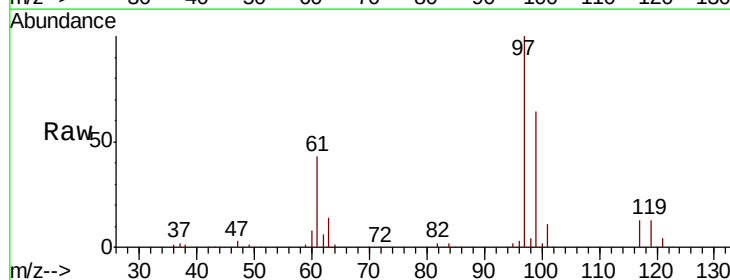
Tgt Ion: 97 Resp: 357053

Ion Ratio Lower Upper

97 100

99 63.8 51.6 77.4

61 43.2 34.9 52.3

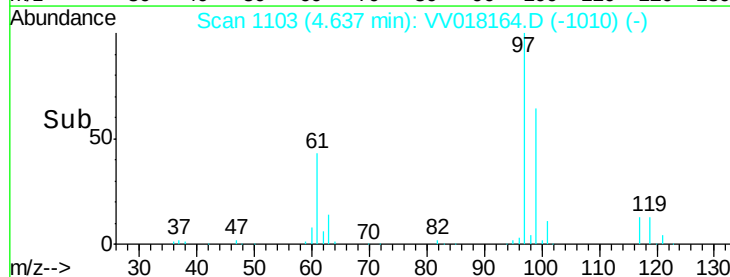
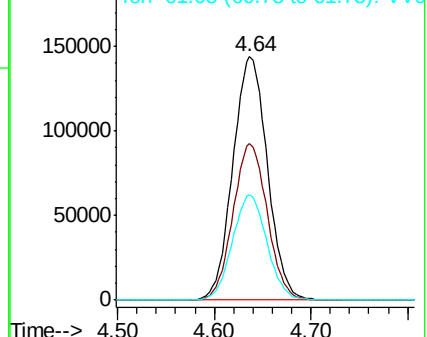


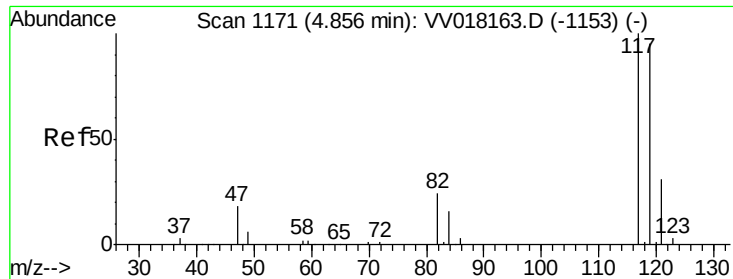
Abundance

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: 100.740 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VV018164.D

Acq: 09 Sep 2020 11:22

Instrument :

MSVOA_V

ClientSampled :

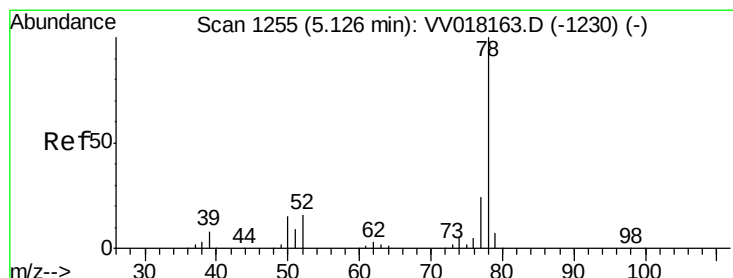
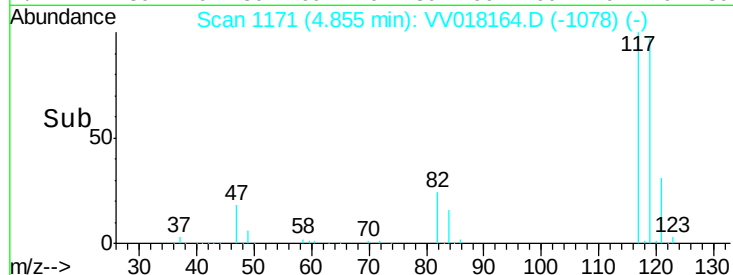
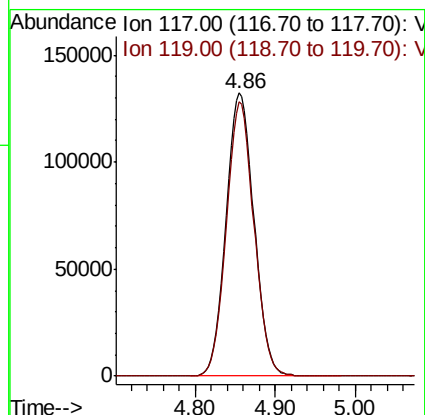
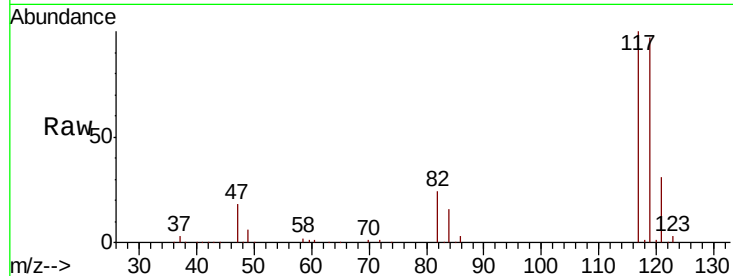
VSTD10061

Tot Ion:117 Resp: 315500

Ion Ratio Lower Upper

117 100

119 95.7 75.7 113.5



#33

Benzene

Concen: 94.374 ug/L

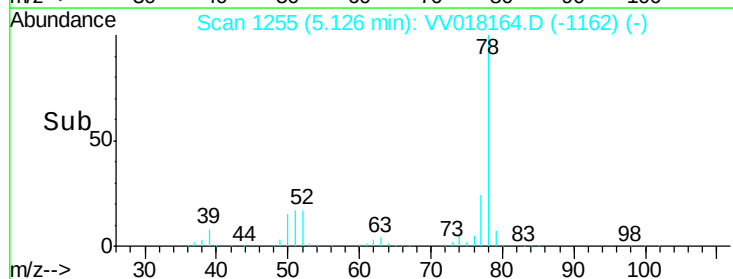
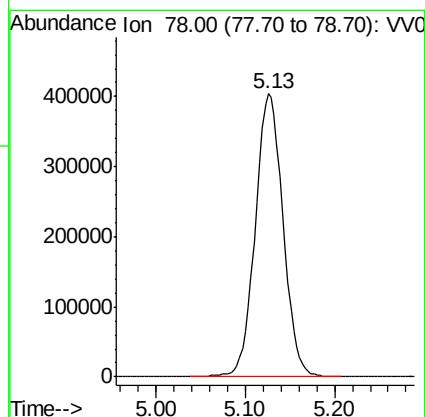
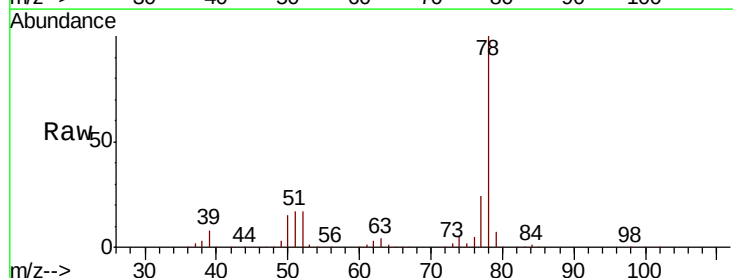
RT: 5.13 min Scan# 1255

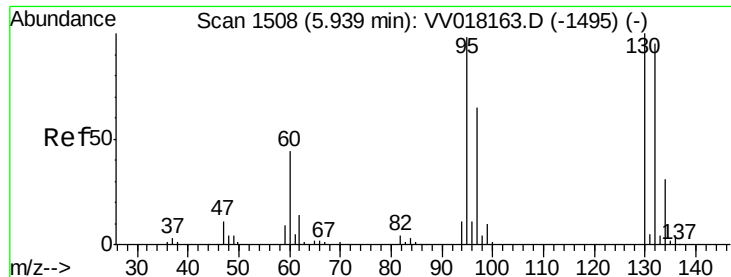
Delta R.T. -0.00 min

Lab File: VV018164.D

Acq: 09 Sep 2020 11:22

Tgt Ion: 78 Resp: 878690





#34

Trichloroethene

Concen: 93.417 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VV018164.D

Acq: 09 Sep 2020 11:22

Instrument :

MSVOA_V

ClientSampled :

VSTD10061

Tot Ion: 95 Resp: 231542

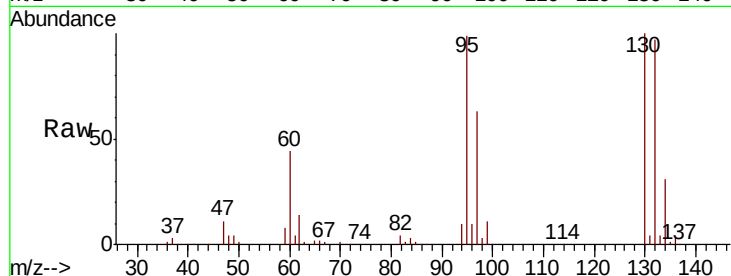
Ion Ratio Lower Upper

95 100

97 63.6 46.3 85.9

132 97.9 68.1 126.5

130 101.4 71.5 132.9

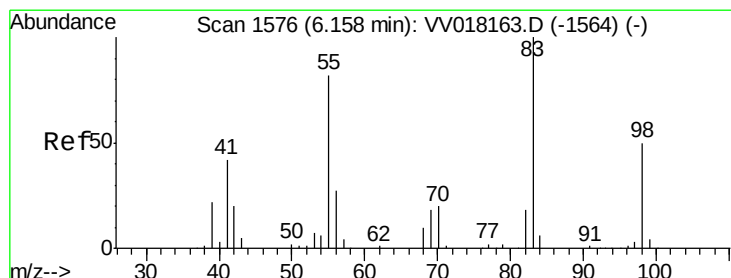
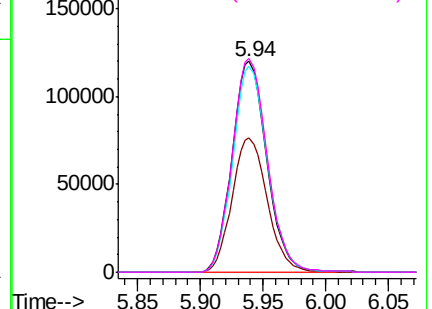
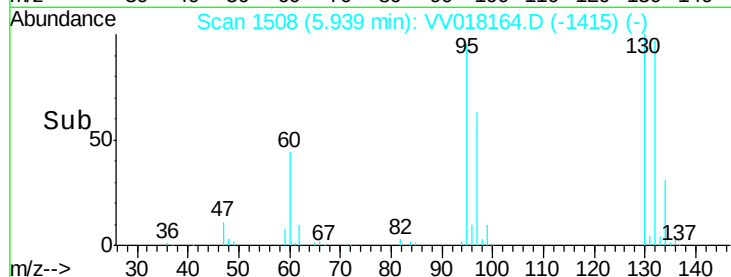


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 102.091 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VV018164.D

Acq: 09 Sep 2020 11:22

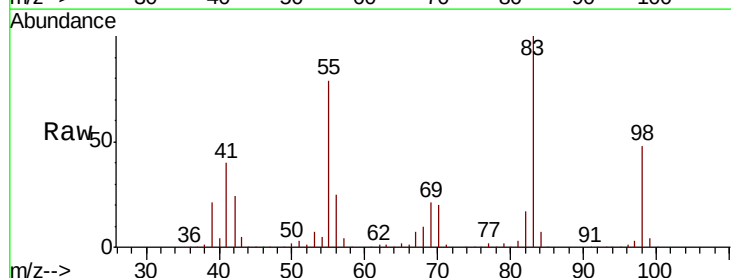
Tgt Ion: 83 Resp: 379915

Ion Ratio Lower Upper

83 100

55 78.2 63.4 95.2

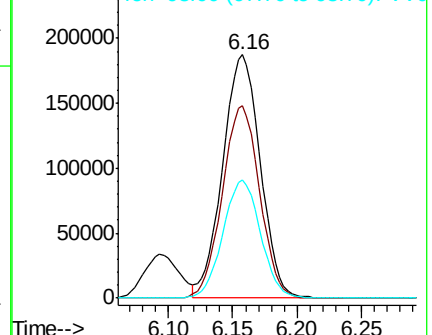
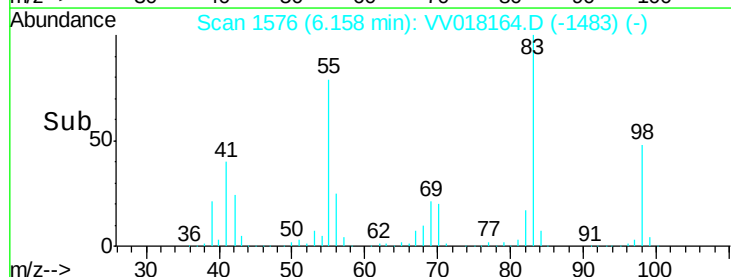
98 48.5 38.8 58.2

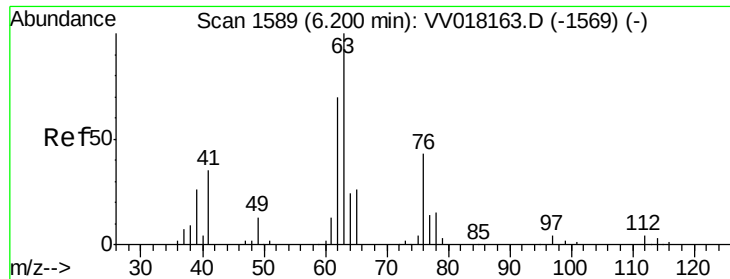


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

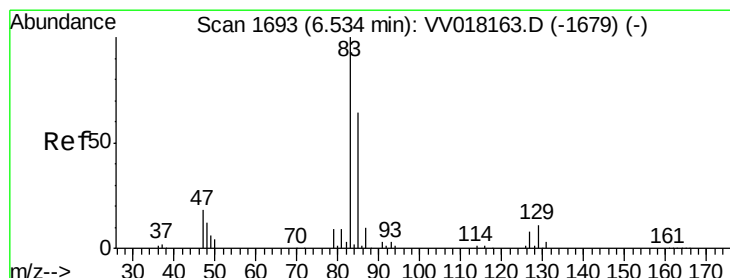
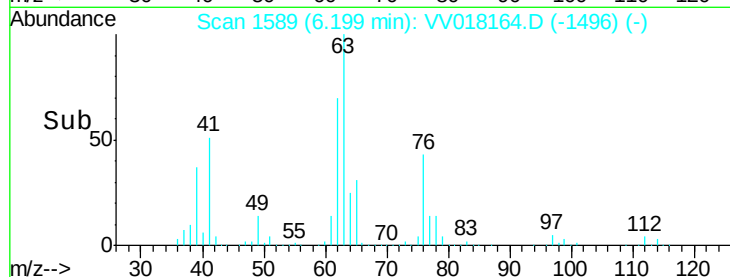
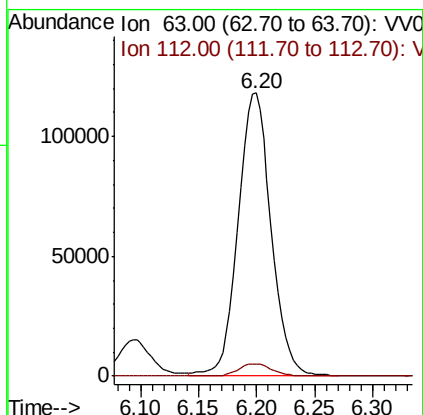
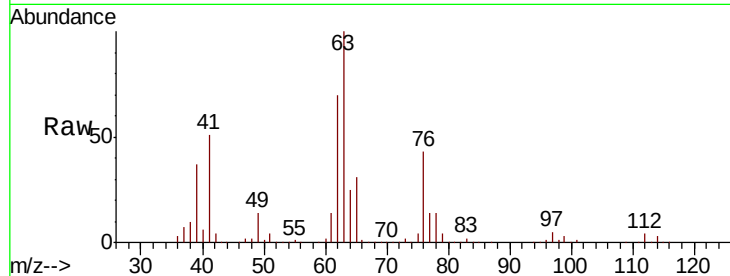




#37
 1,2-Dichloropropane
 Concen: 91.800 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. -0.00 min
 Lab File: VV018164.D
 Acq: 09 Sep 2020 11:22

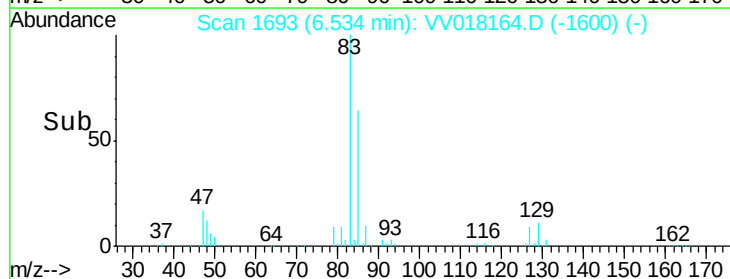
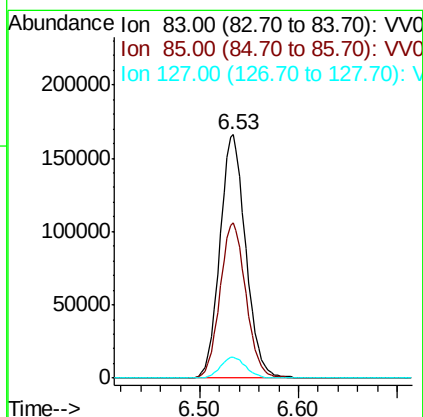
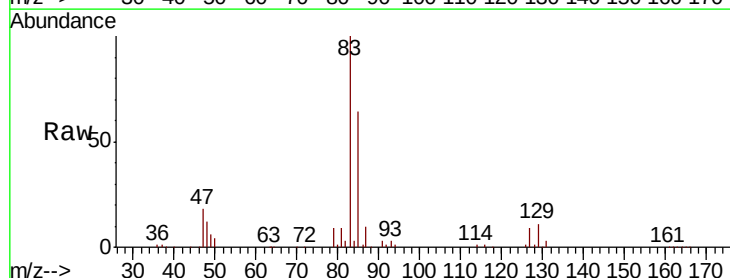
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10061

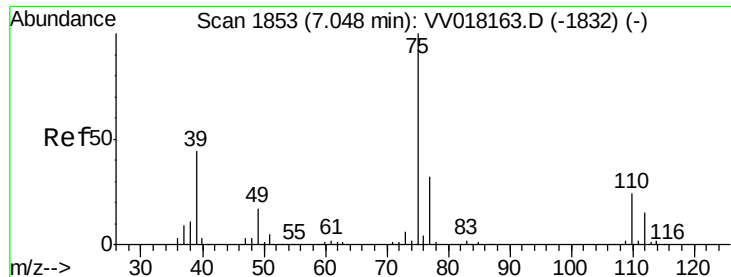
Tot Ion: 63 Resp: 231810
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.4 5.2



#38
 Bromodichloromethane
 Concen: 96.462 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. -0.00 min
 Lab File: VV018164.D
 Acq: 09 Sep 2020 11:22

Tgt Ion: 83 Resp: 305114
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.7 82.9
 127 8.7 6.7 10.1

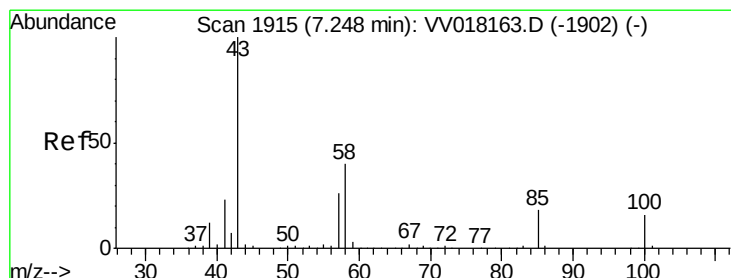
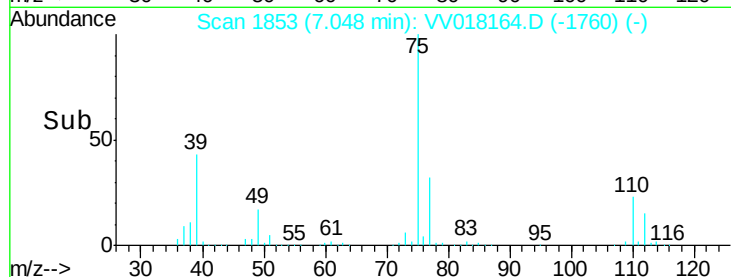
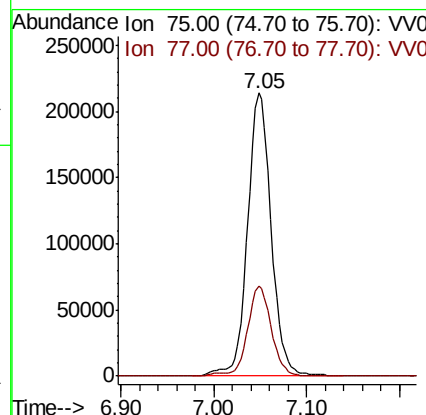
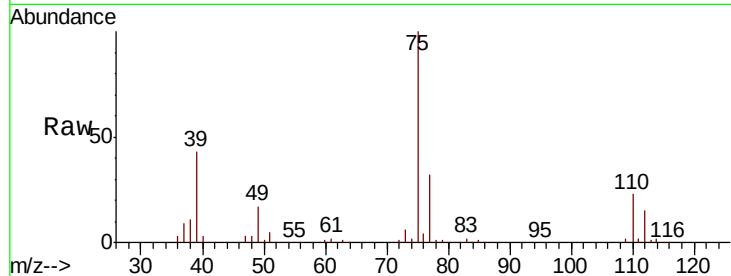




#39
 cis-1,3-Dichloropropene
 Concen: 104.337 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV018164.D
 Acq: 09 Sep 2020 11:22

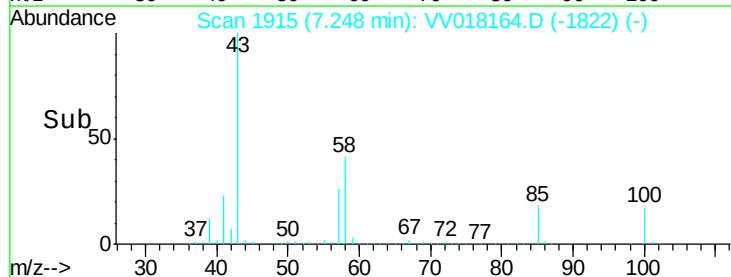
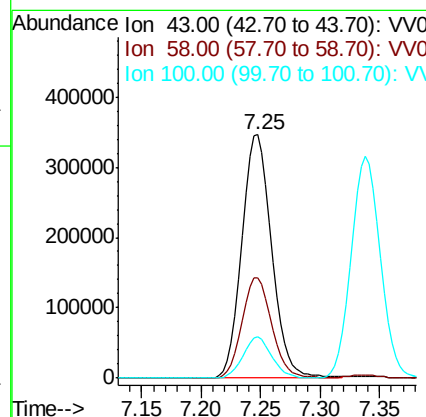
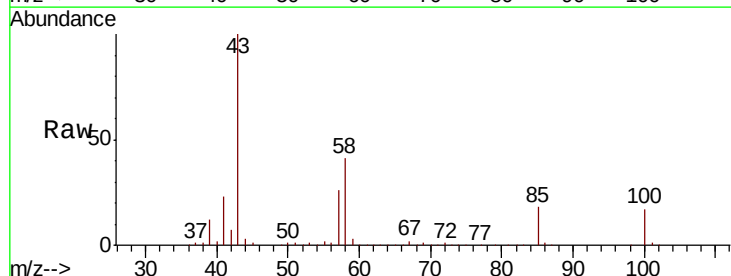
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10061

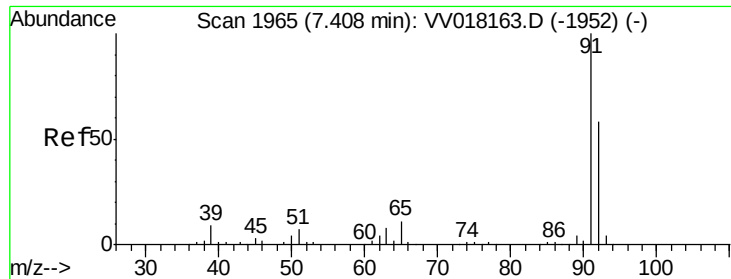
Tot Ion: 75 Resp: 378410
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 185.961 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VV018164.D
 Acq: 09 Sep 2020 11:22

Tgt Ion: 43 Resp: 603597
 Ion Ratio Lower Upper
 43 100
 58 40.9 32.4 48.6
 100 16.2 12.7 19.1





#42

Toluene

Concen: 97.737 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV018164.D

Acq: 09 Sep 2020 11:22

Instrument :

MSVOA_V

ClientSampleId :

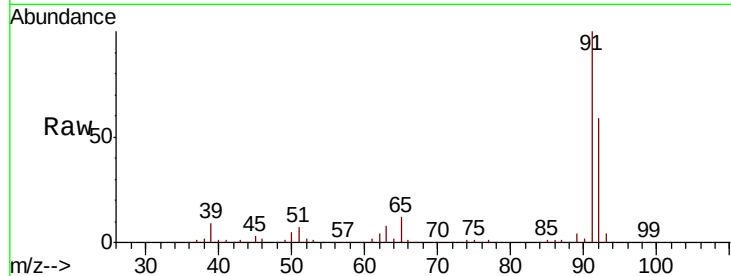
VSTD10061

Tot Ion: 91 Resp: 953949

Ion Ratio Lower Upper

91 100

92 58.5 40.7 75.5



Abundance Ion 91.00 (90.70 to 91.70): VV018163.D (-1952) (-)

Ion 92.00 (91.70 to 92.70): VV018163.D (-1952) (-)

7.41

600000

500000

400000

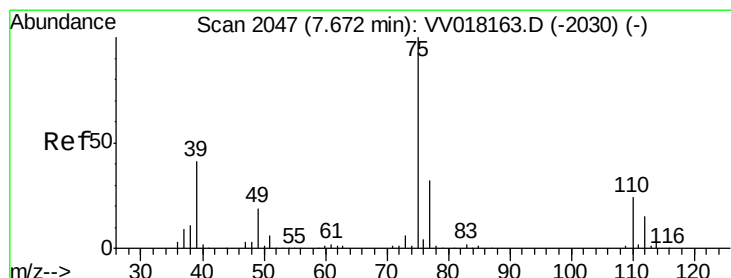
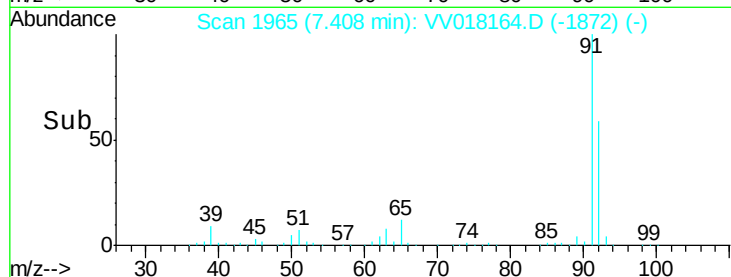
300000

200000

100000

0

Time--> 7.30 7.40 7.50



#44

trans-1,3-Dichloropropene

Concen: 106.160 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV018164.D

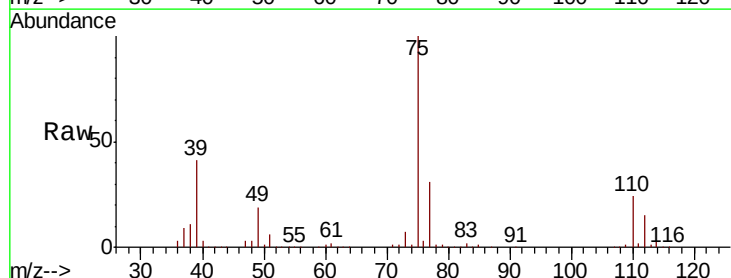
Acq: 09 Sep 2020 11:22

Tgt Ion: 75 Resp: 366700

Ion Ratio Lower Upper

75 100

77 31.4 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV018163.D (-2030) (-)

Ion 77.00 (76.70 to 77.70): VV018163.D (-2030) (-)

7.67

250000

200000

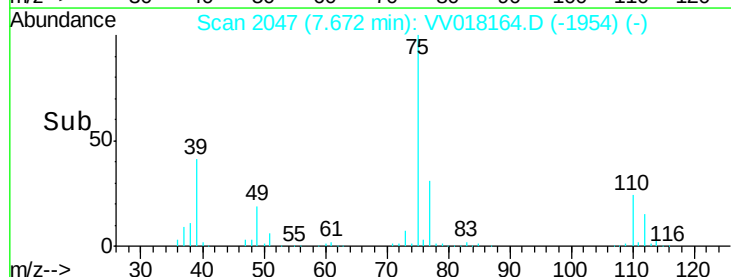
150000

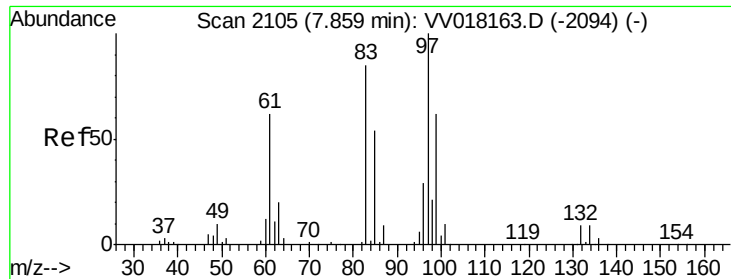
100000

50000

0

Time--> 7.60 7.70 7.80

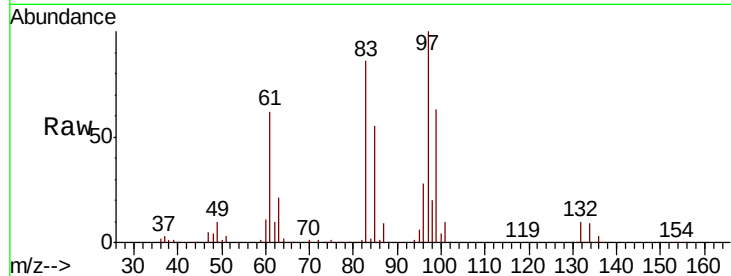




#45
 1,1,2-Trichloroethane
 Concen: 91.878 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV018164.D
 Acq: 09 Sep 2020 11:22

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10061

Tot Ion:	97	Resp:	215436
Ion	Ratio	Lower	Upper
97	100		
99	63.3	43.7	81.1
83	85.8	59.9	111.3
85	55.2	37.6	69.8



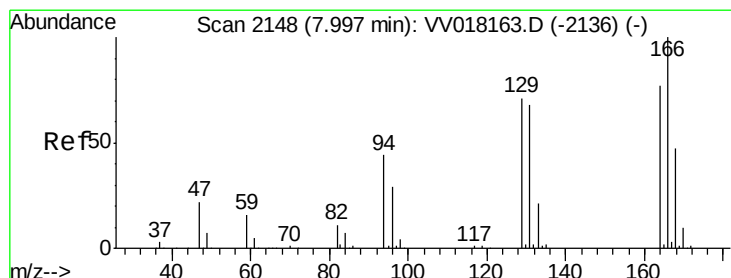
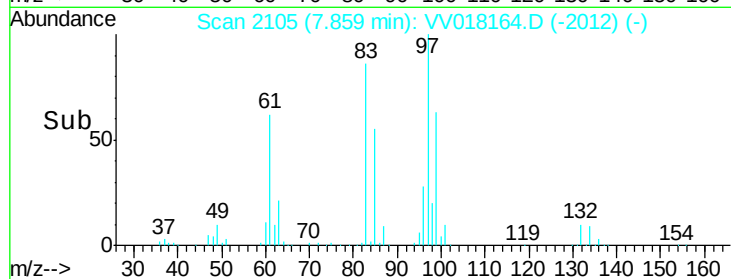
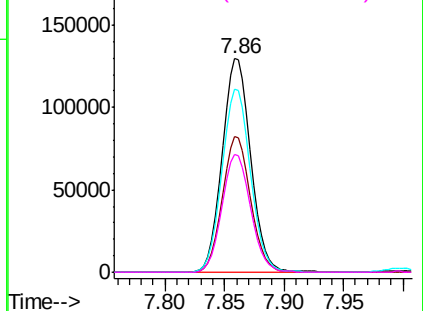
Abundance

Ion 97.00 (96.70 to 97.70): VV018164.D (-2094) (-)

Ion 99.00 (98.70 to 99.70): VV018164.D (-2094) (-)

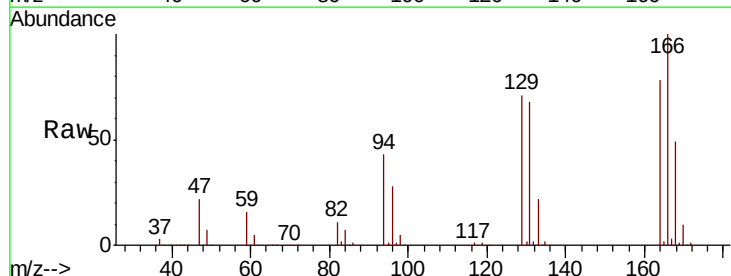
Ion 83.00 (82.70 to 83.70): VV018164.D (-2094) (-)

Ion 85.00 (84.70 to 85.70): VV018164.D (-2094) (-)



#46
 Tetrachloroethene
 Concen: 102.015 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV018164.D
 Acq: 09 Sep 2020 11:22

Tgt Ion:	164	Resp:	188770
Ion	Ratio	Lower	Upper
164	100		
129	92.0	64.5	119.7
131	87.9	61.8	114.8
166	128.8	90.6	168.2



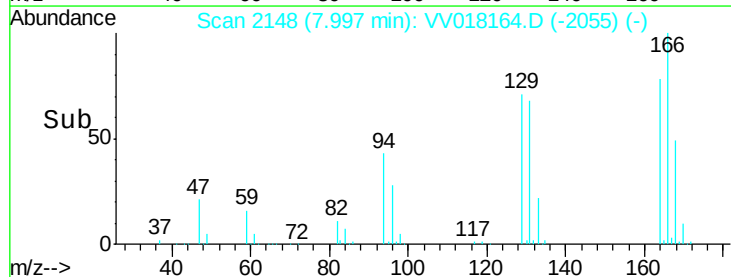
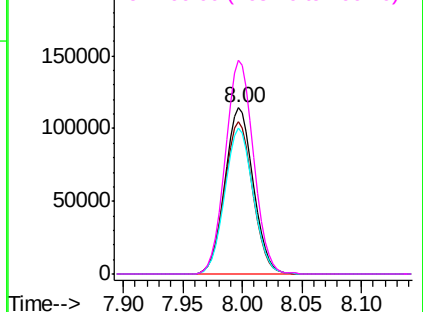
Abundance

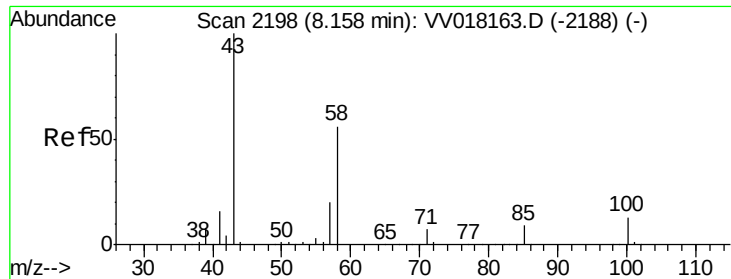
Ion 164.00 (163.70 to 164.70): VV018164.D (-2136) (-)

Ion 129.00 (128.70 to 129.70): VV018164.D (-2136) (-)

Ion 131.00 (130.70 to 131.70): VV018164.D (-2136) (-)

Ion 166.00 (165.70 to 166.70): VV018164.D (-2136) (-)

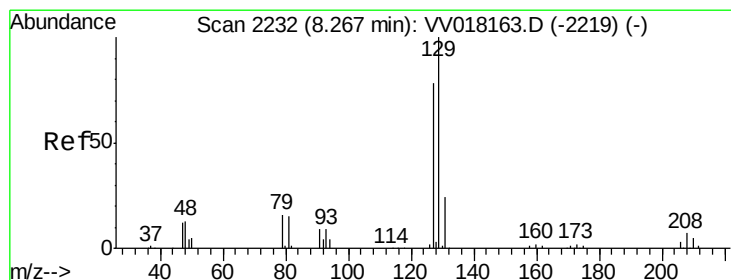
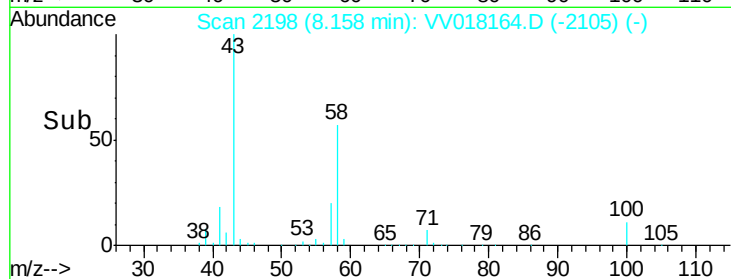
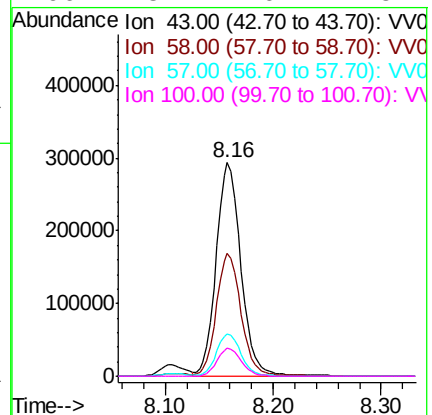
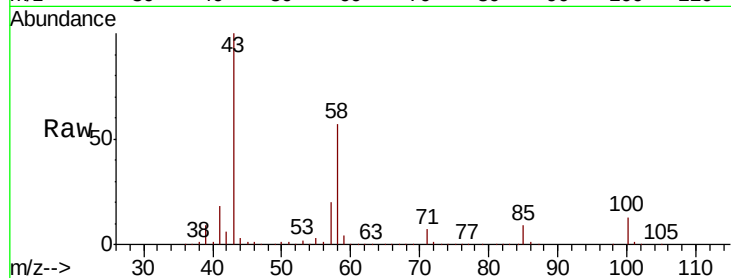




#48
2-Hexanone
Concen: 179.124 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV018164.D
Acq: 09 Sep 2020 11:22

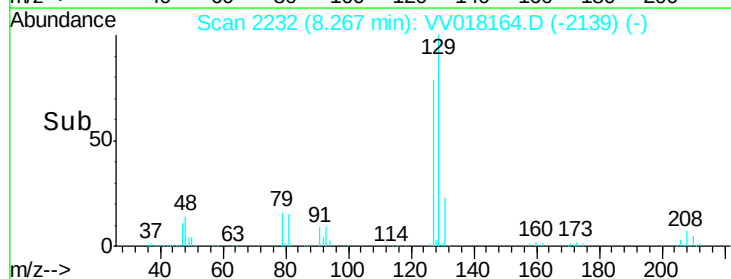
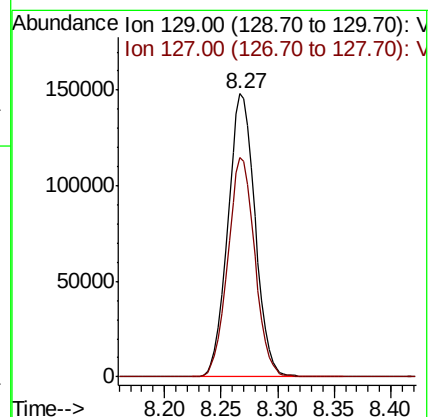
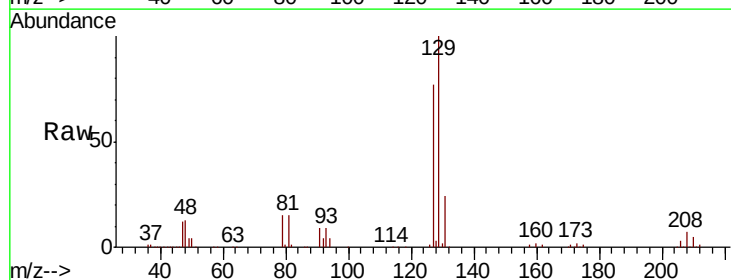
Instrument :
MSVOA_V
ClientSampleId :
VSTD10061

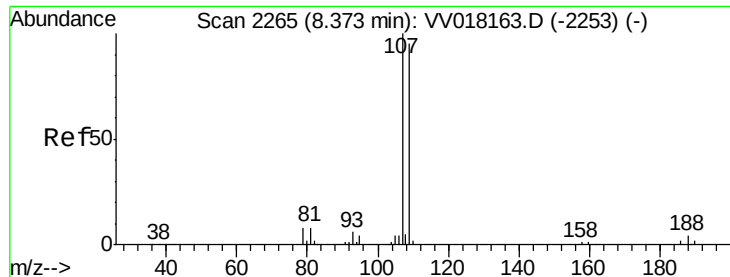
Tot Ion: 43 Resp: 466589
Ion Ratio Lower Upper
43 100
58 57.5 44.8 67.2
57 19.9 15.8 23.6
100 13.1 10.2 15.4



#49
Dibromochloromethane
Concen: 105.930 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV018164.D
Acq: 09 Sep 2020 11:22

Tgt Ion: 129 Resp: 248271
Ion Ratio Lower Upper
129 100
127 77.4 54.5 101.1

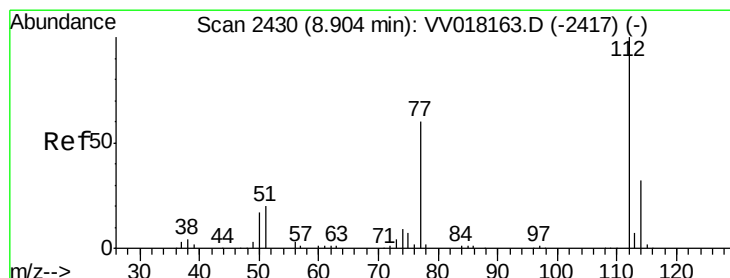
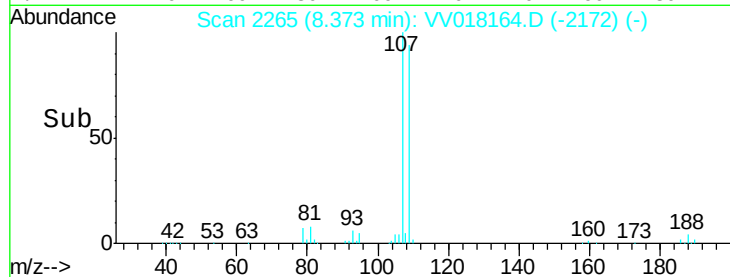
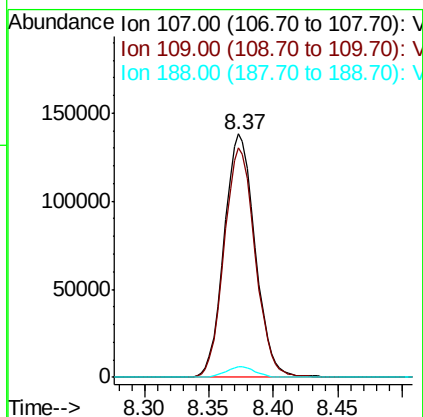
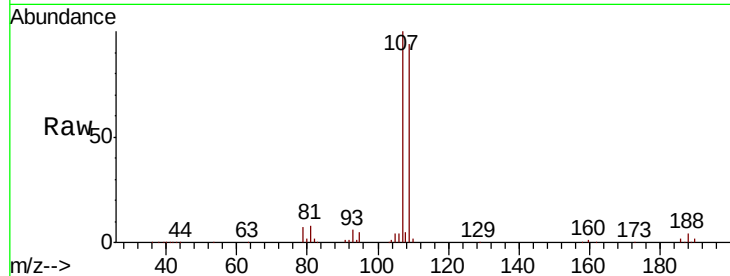




#50
 1,2-Dibromoethane
 Concen: 94.496 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. -0.00 min
 Lab File: VV018164.D
 Acq: 09 Sep 2020 11:22

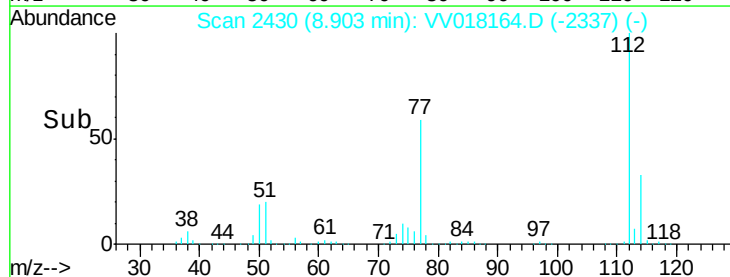
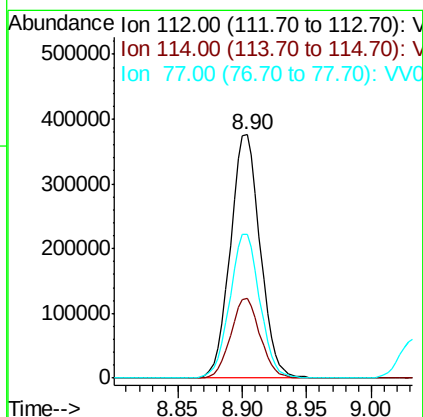
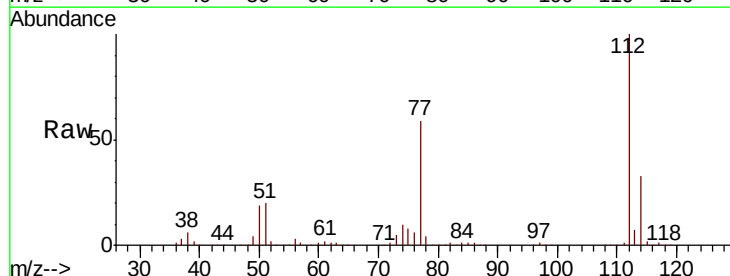
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10061

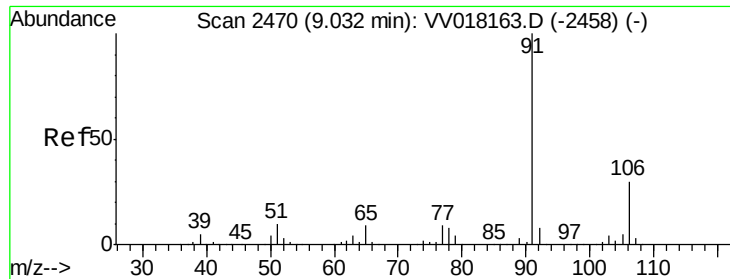
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	66.1	122.8
188	4.3	3.2	4.8



#51
 Chlorobenzene
 Concen: 95.717 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VV018164.D
 Acq: 09 Sep 2020 11:22

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.6	22.6	42.0
77	59.2	48.0	72.0





#52

Ethylbenzene

Concen: 99.629 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018164.D

Acq: 09 Sep 2020 11:22

Instrument :

MSVOA_V

ClientSampleId :

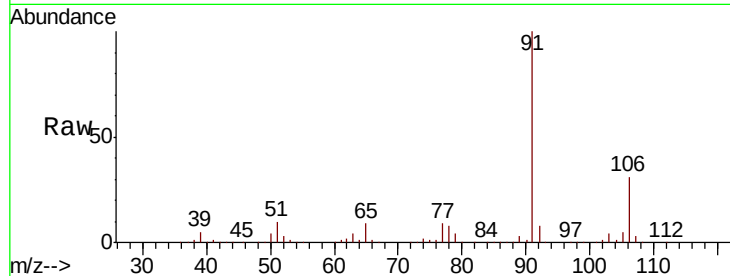
VSTD10061

Tot Ion: 91 Resp: 1061997

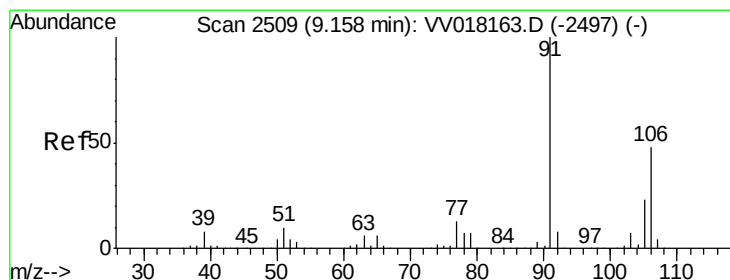
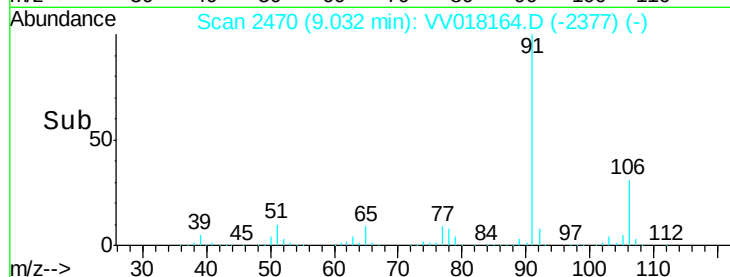
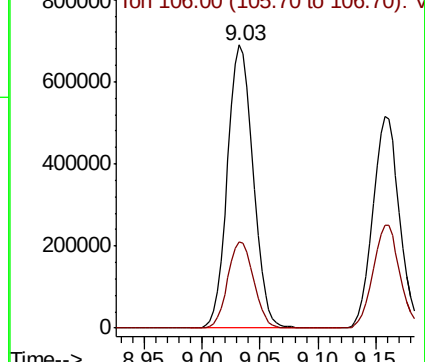
Ion Ratio Lower Upper

91 100

106 30.6 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VV018164.D (-2377) (-)



#53

m,p-Xylene

Concen: 102.321 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018164.D

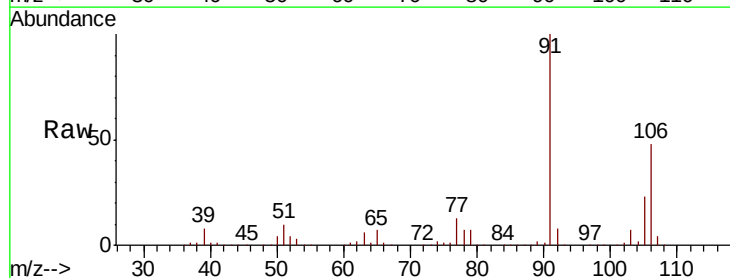
Acq: 09 Sep 2020 11:22

Tgt Ion: 106 Resp: 402038

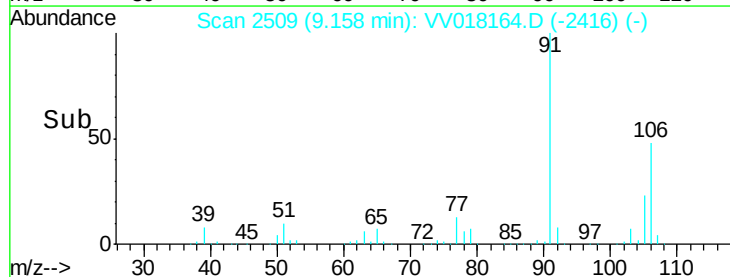
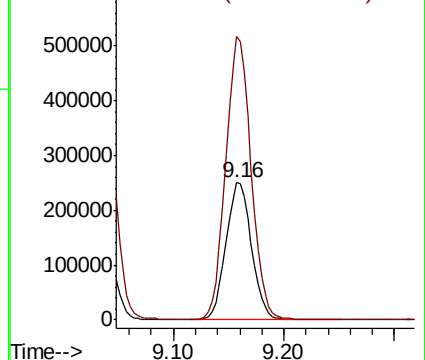
Ion Ratio Lower Upper

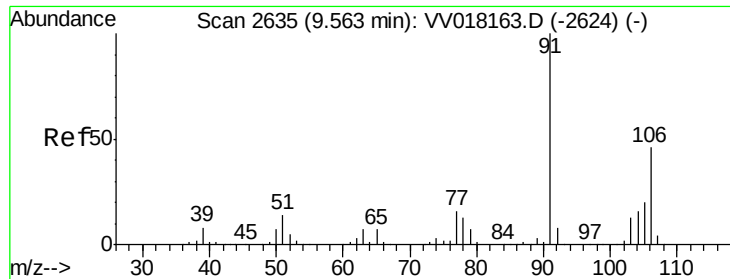
106 100

91 206.6 146.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): VV018164.D (-2416) (-)





#54

o-xylene

Concen: 100.144 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV018164.D

Acq: 09 Sep 2020 11:22

Instrument :

MSVOA_V

ClientSampleId :

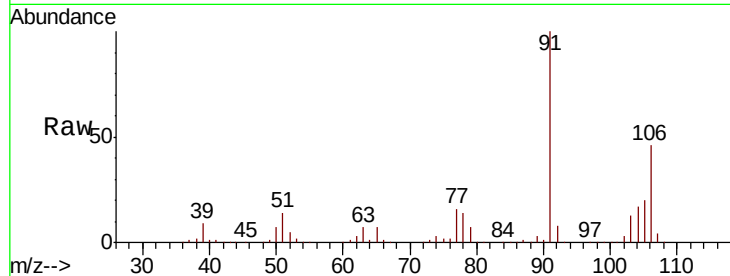
VSTD10061

Tot Ion:106 Resp: 388469

Ion Ratio Lower Upper

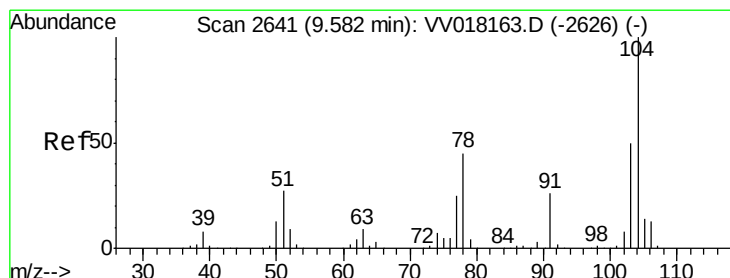
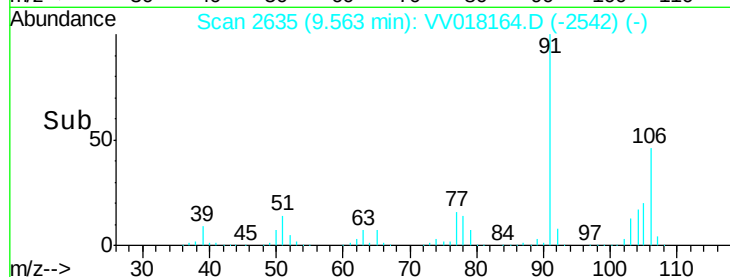
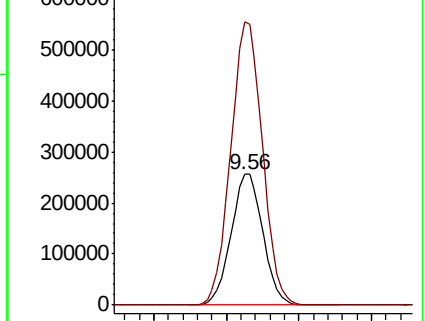
106 100

91 216.4 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 103.836 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV018164.D

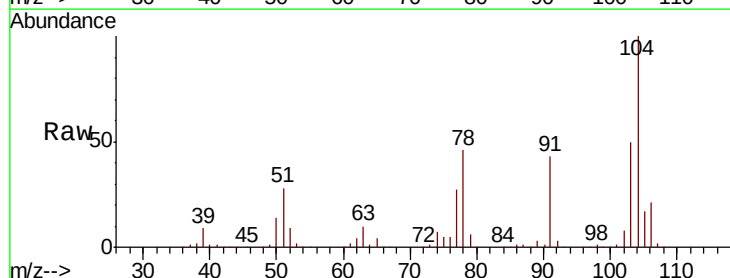
Acq: 09 Sep 2020 11:22

Tgt Ion:104 Resp: 688258

Ion Ratio Lower Upper

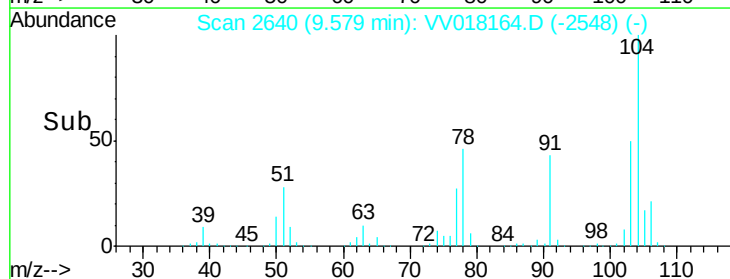
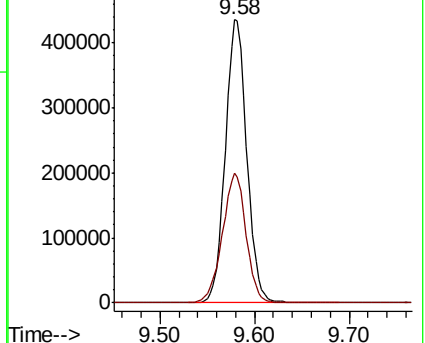
104 100

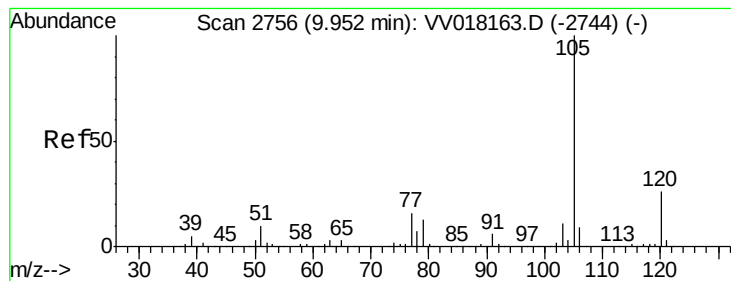
78 45.8 31.4 58.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 103.017 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018164.D

Acq: 09 Sep 2020 11:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD10061

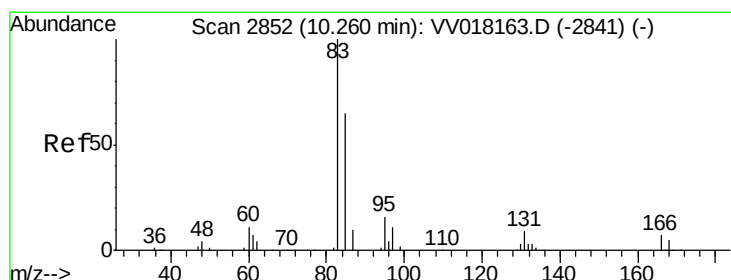
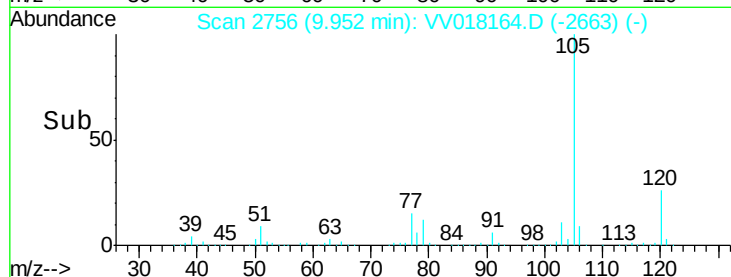
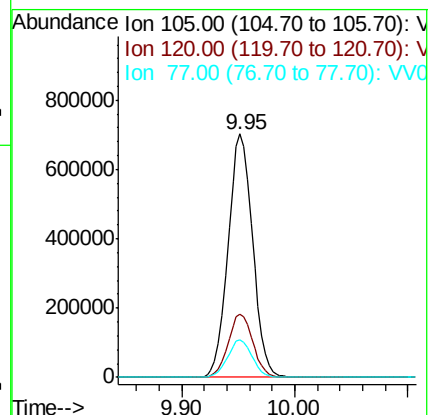
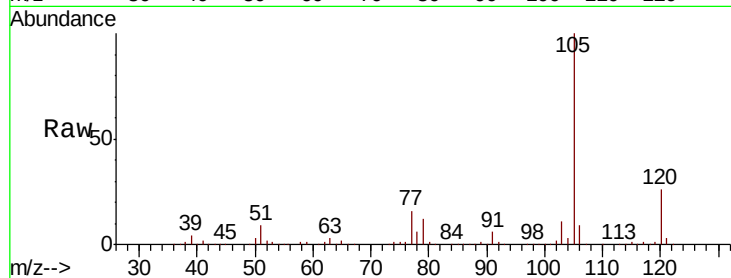
Tot Ion:105 Resp: 1057608

Ion Ratio Lower Upper

105 100

120 26.2 20.9 31.3

77 15.5 12.5 18.7



#58

1,1,2,2-Tetrachloroethane

Concen: 92.553 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV018164.D

Acq: 09 Sep 2020 11:22

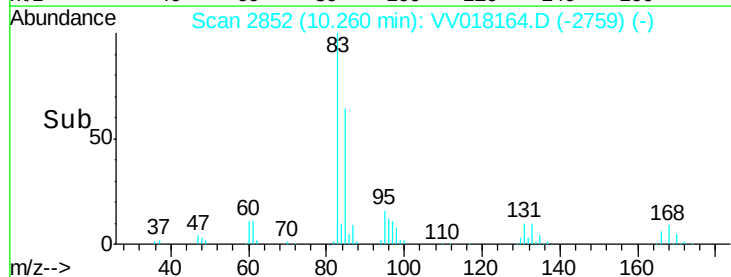
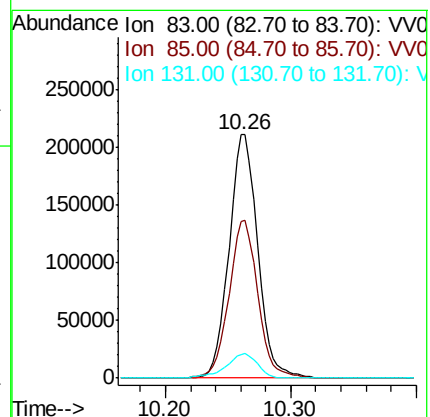
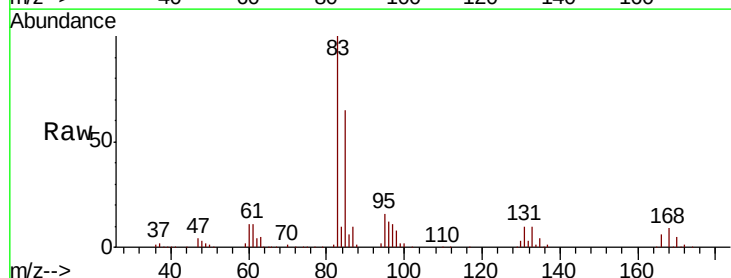
Tgt Ion: 83 Resp: 334227

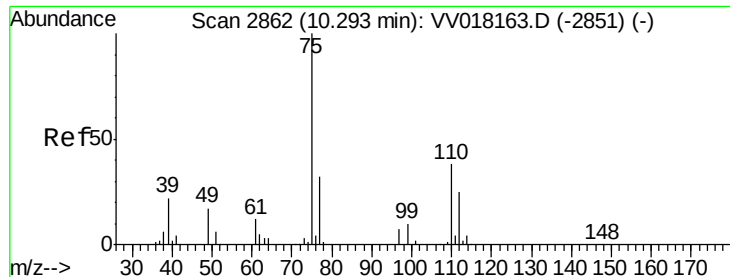
Ion Ratio Lower Upper

83 100

85 64.6 45.8 85.2

131 9.9 8.0 12.0





#59

1,2,3-Trichloropropane

Concen: 89.340 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV018164.D

Acq: 09 Sep 2020 11:22

Instrument :

MSVOA_V

ClientSampleId :

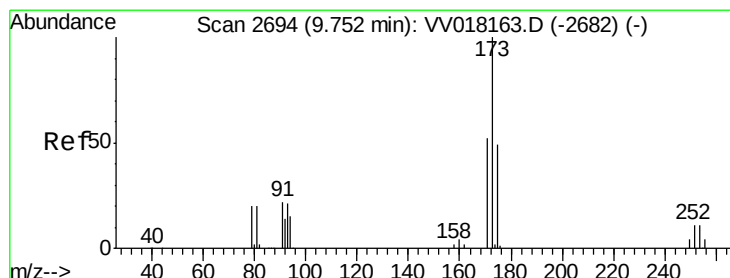
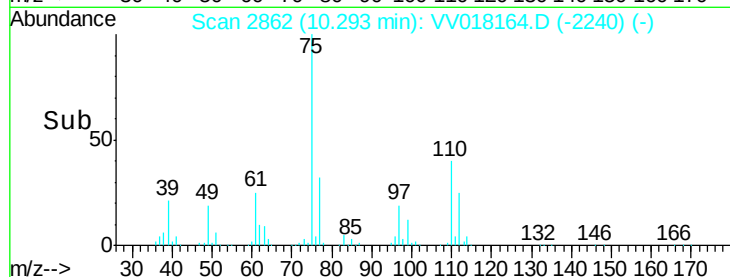
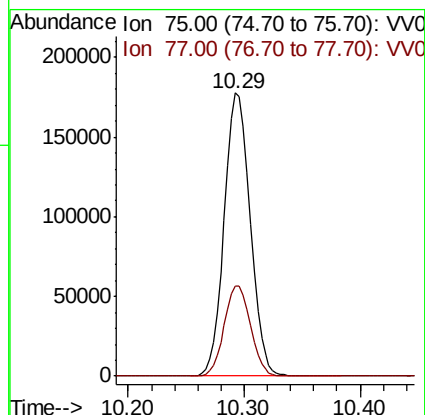
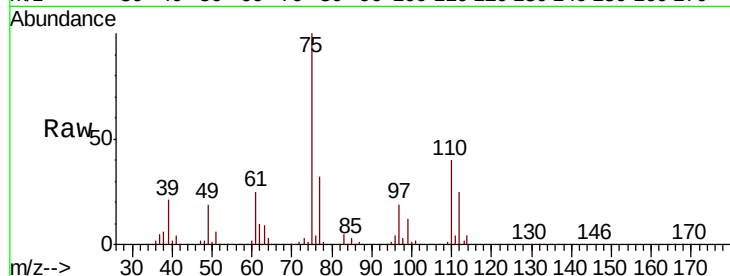
VSTD10061

Tot Ion: 75 Resp: 276112

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.6



#61

Bromoform

Concen: 113.681 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV018164.D

Acq: 09 Sep 2020 11:22

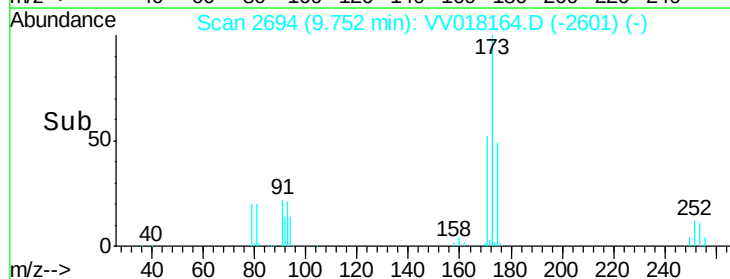
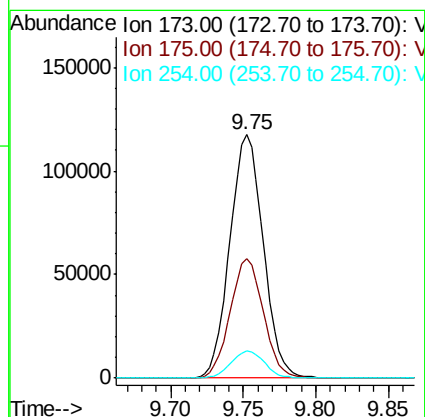
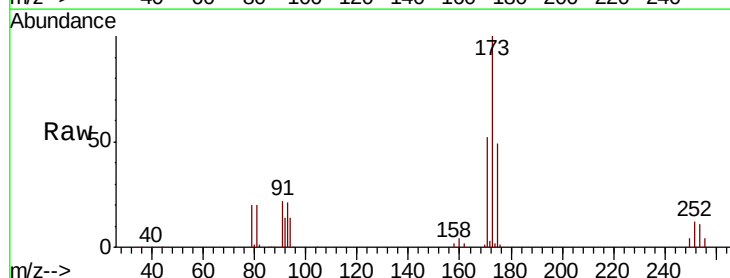
Tgt Ion: 173 Resp: 188075

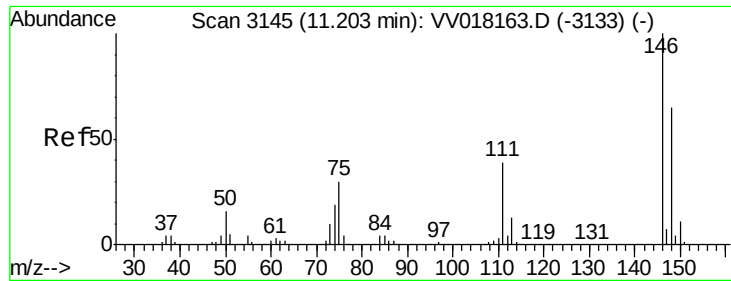
Ion Ratio Lower Upper

173 100

175 48.6 39.0 58.6

254 11.2 9.0 13.4





#62

1,3-Dichlorobenzene

Concen: 95.493 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV018164.D

Acq: 09 Sep 2020 11:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD10061

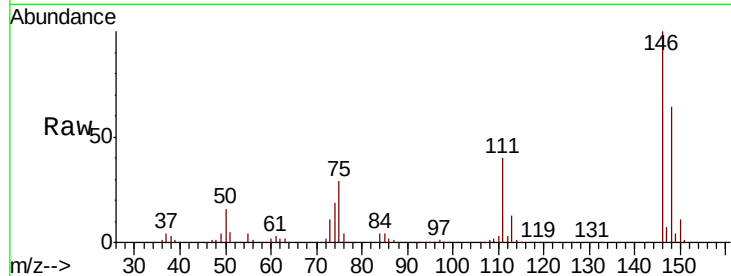
Tot Ion:146 Resp: 512715

Ion Ratio Lower Upper

146 100

111 39.8 27.6 51.2

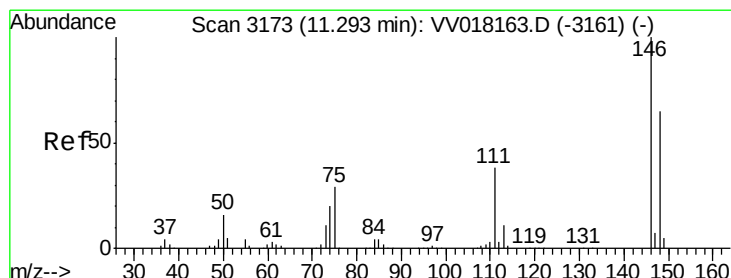
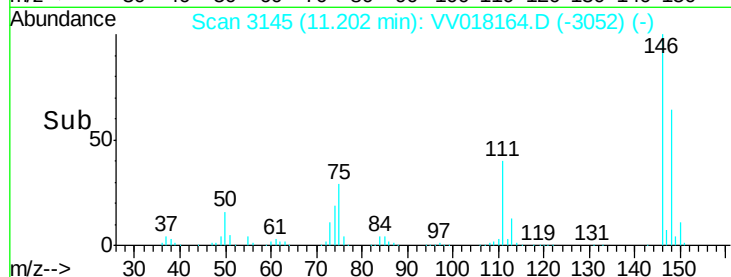
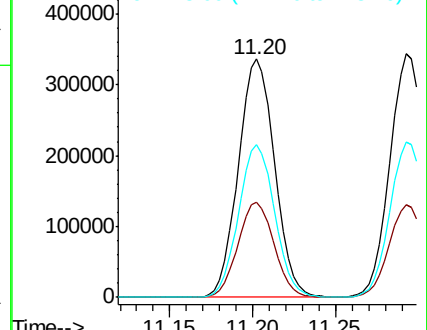
148 64.2 45.4 84.2



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: 93.955 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV018164.D

Acq: 09 Sep 2020 11:22

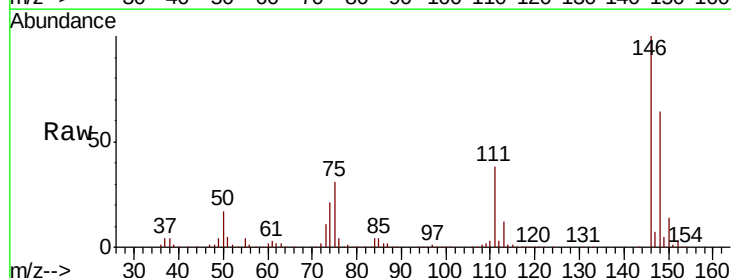
Tgt Ion:146 Resp: 518410

Ion Ratio Lower Upper

146 100

111 38.2 27.1 50.3

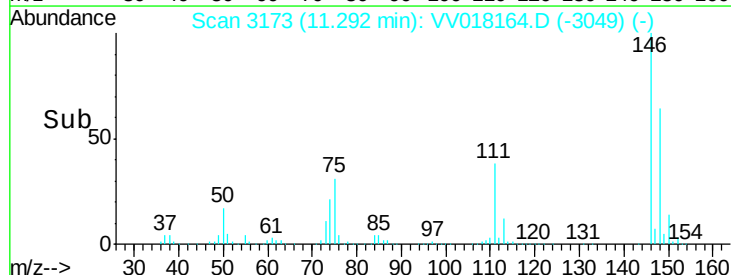
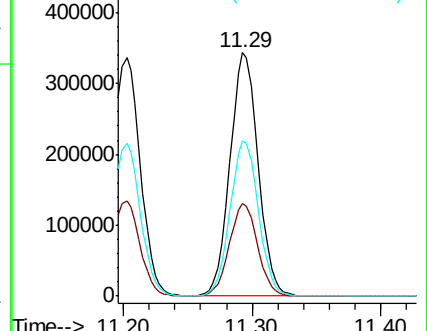
148 63.9 45.4 84.2

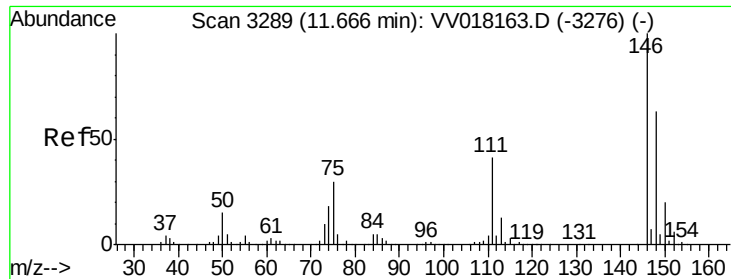


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 92.615 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV018164.D

Acq: 09 Sep 2020 11:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD10061

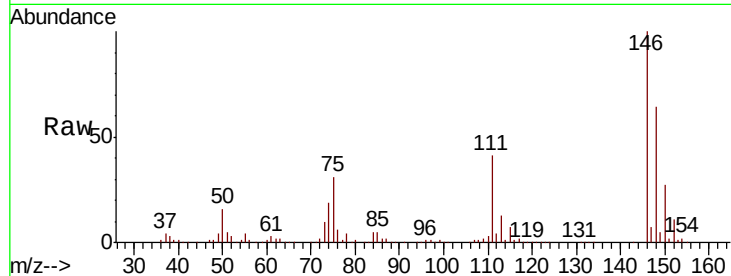
Tot Ion:146 Resp: 508915

Ion Ratio Lower Upper

146 100

111 41.1 32.8 49.2

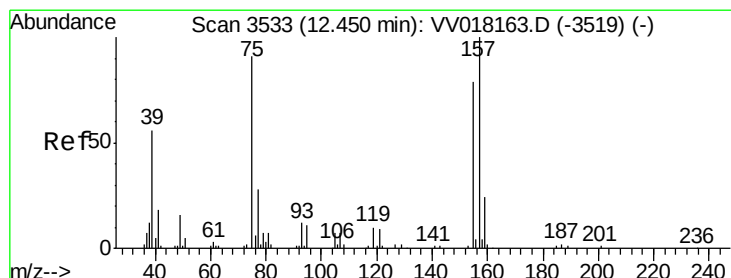
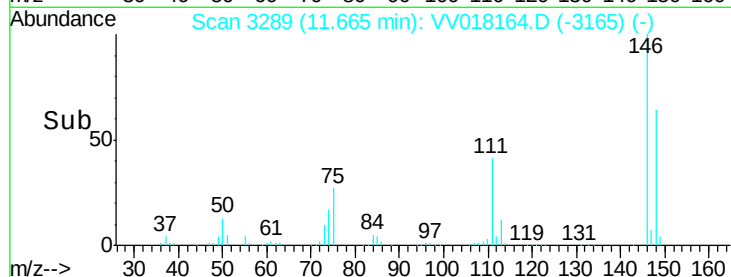
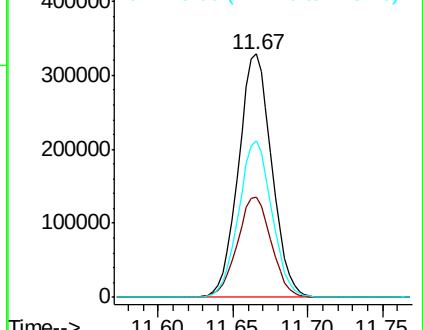
148 64.1 50.7 76.1



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: 100.455 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV018164.D

Acq: 09 Sep 2020 11:22

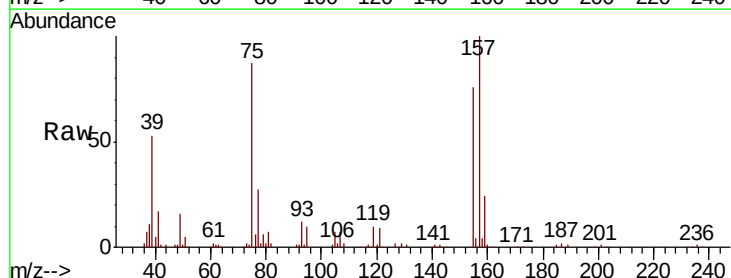
Tgt Ion: 75 Resp: 79413

Ion Ratio Lower Upper

75 100

155 87.5 69.7 104.5

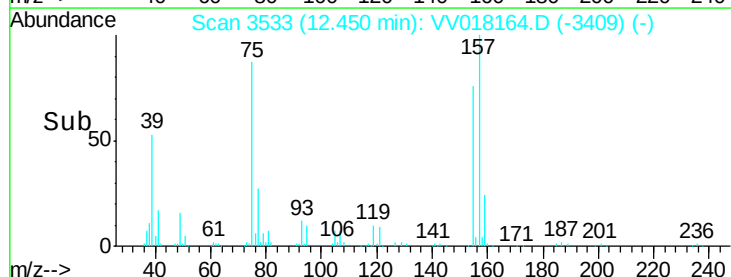
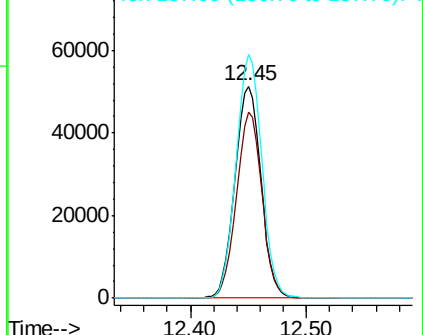
157 114.8 88.2 132.4

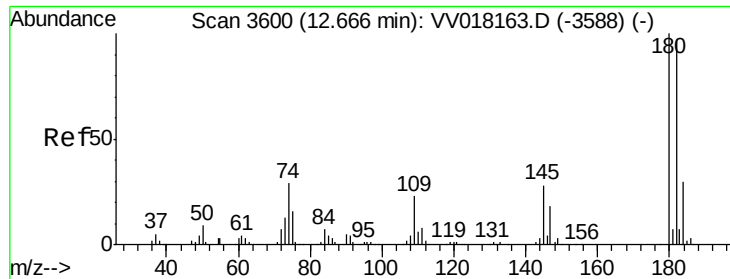


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

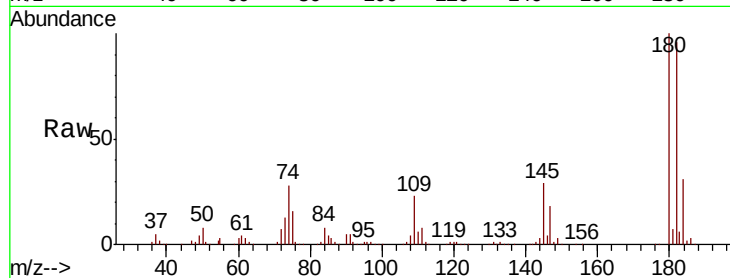




#67
 1,3,5-Trichlorobenzene
 Concen: 101.361 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV018164.D
 Acq: 09 Sep 2020 11:22

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10061

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.8	115.2
184	30.9	24.6	36.8
145	28.8	22.7	34.1

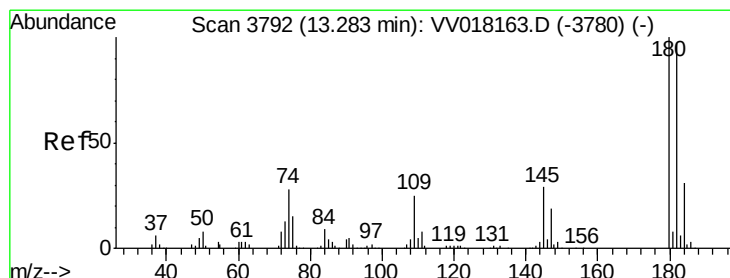
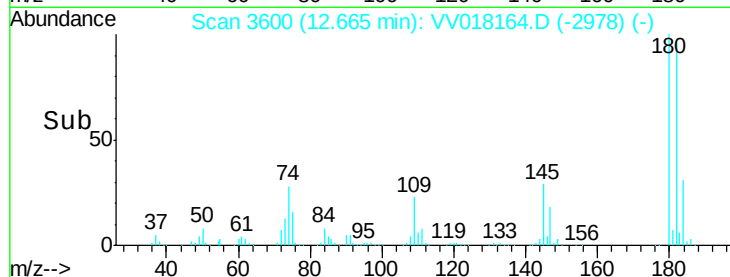
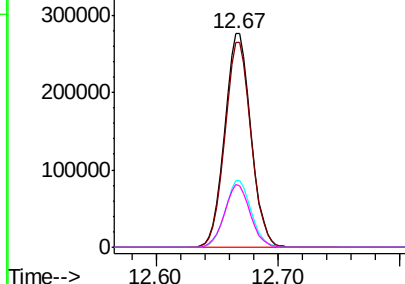


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

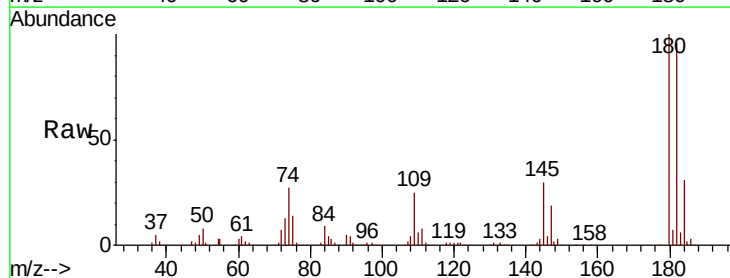
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 108.123 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018164.D
 Acq: 09 Sep 2020 11:22

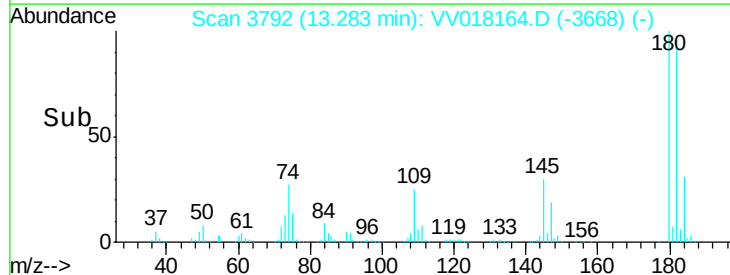
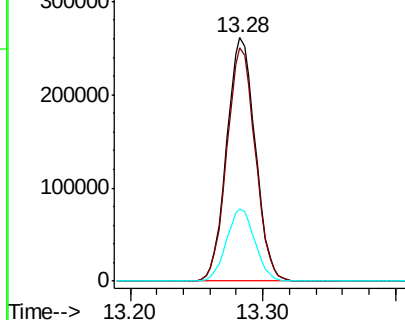
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	77.4	116.2
145	29.5	23.2	34.8

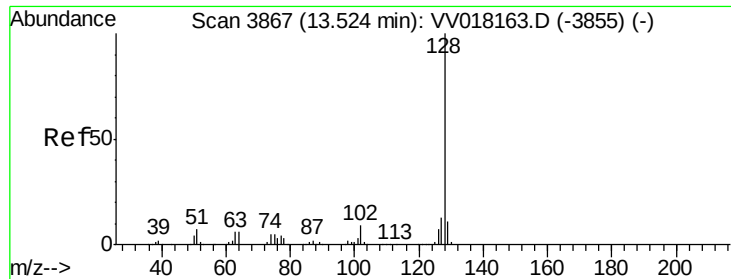


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 108.340 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018164.D

Acq: 09 Sep 2020 11:22

Instrument :

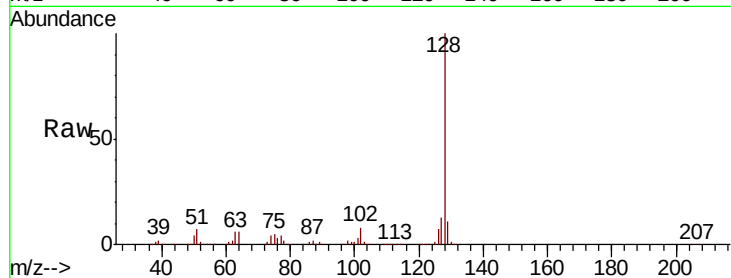
MSVOA_V

ClientSampleId :

VSTD10061

Tot Ion:128 Resp: 1055346

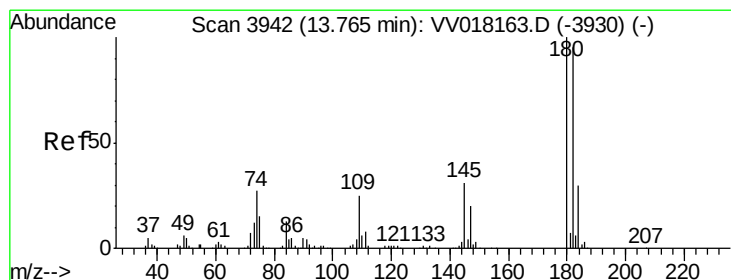
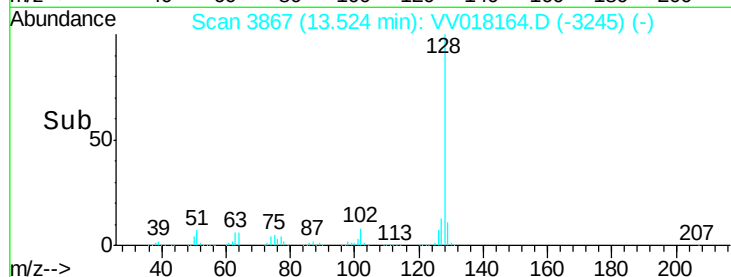
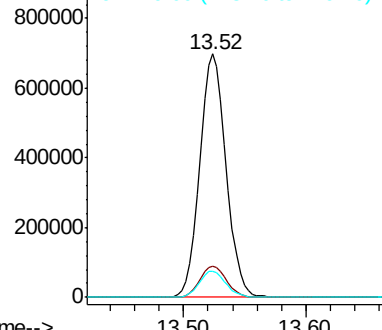
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	10.9	8.6	13.0



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: 103.573 ug/L

RT: 13.77 min Scan# 3942

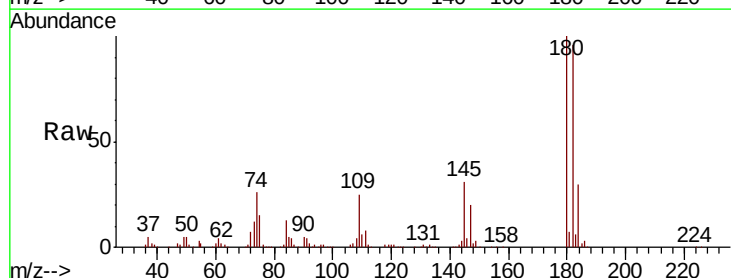
Delta R.T. -0.00 min

Lab File: VV018164.D

Acq: 09 Sep 2020 11:22

Tgt Ion:180 Resp: 378701

Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.5	114.7
145	30.8	24.9	37.3



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

