

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090920\
 Data File : VV018162.D
 Acq On : 09 Sep 2020 10:36
 Operator : SY/MD
 Sample : VSTD01065
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01065

Quant Time: Sep 10 02:09:30 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	332618	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	322201	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	171374	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	27987	10.80	ug/L	0.00
7) Chloroethane-d5	1.58	69	22756	10.73	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	50984	10.37	ug/L	0.00
21) 2-Butanone-d5	3.92	46	32312	19.42	ug/L	0.00
24) Chloroform-d	4.38	84	47052	10.11	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	31139	10.35	ug/L	0.00
32) Benzene-d6	5.08	84	94087	10.51	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	30269	10.43	ug/L	0.00
41) Toluene-d8	7.34	98	84088	10.38	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	14714	10.94	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	18453	19.03	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	35877	9.53	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	35124	10.26	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	25487	9.873 ug/L	100
3) Chloromethane	1.25	50	27158	9.211 ug/L	99
5) Vinyl chloride	1.32	62	27556	9.411 ug/L	100
6) Bromomethane	1.53	94	16774	9.507 ug/L	99
8) Chloroethane	1.60	64	17561	9.395 ug/L	96
9) Trichlorofluoromethane	1.77	101	38620	9.255 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	23016	9.728 ug/L	98
12) 1,1-Dichloroethene	2.14	96	21849	9.746 ug/L	93
13) Acetone	2.19	43	29085	17.748 ug/L	100
14) Carbon disulfide	2.31	76	67320	10.667 ug/L	98
15) Methyl Acetate	2.45	43	23836	8.820 ug/L	100
16) Methylene chloride	2.53	84	24913	8.924 ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	22245	9.646 ug/L	99
18) Methyl tert-butyl Ether	2.79	73	67277	8.977 ug/L	99
19) 1,1-Dichloroethane	3.22	63	43151	9.421 ug/L	99
20) cis-1,2-Dichloroethene	3.95	96	23627	9.410 ug/L	98
22) 2-Butanone	4.01	43	30375	16.378 ug/L	96
23) Bromochloromethane	4.28	128	12621	9.590 ug/L	99
25) Chloroform	4.41	83	44302	9.485 ug/L	98
27) 1,2-Dichloroethane	5.16	62	33336	9.027 ug/L	99
29) Cyclohexane	4.71	56	35838	9.201 ug/L	100
30) 1,1,1-Trichloroethane	4.64	97	38086	9.685 ug/L	99
31) Carbon tetrachloride	4.86	117	33126	9.982 ug/L	99
33) Benzene	5.13	78	92904	9.417 ug/L	100
34) Trichloroethene	5.94	95	26607	10.131 ug/L	97
35) Methylcyclohexane	6.16	83	37327	9.466 ug/L	99
37) 1,2-Dichloropropane	6.20	63	24092	9.004 ug/L	# 92
38) Bromodichloromethane	6.54	83	31950	9.533 ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	36392	9.470 ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	56288	16.366 ug/L	99

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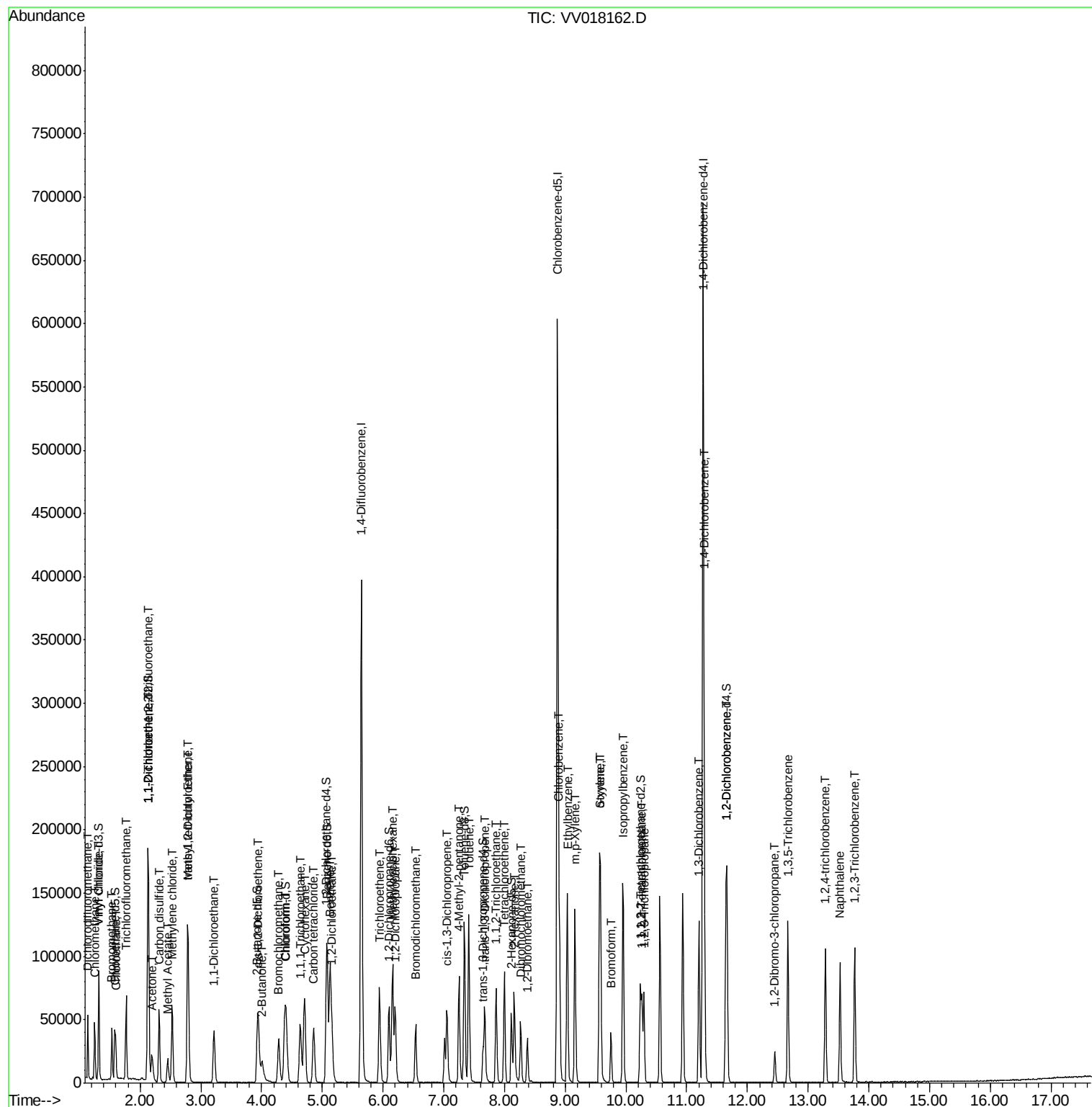
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	97841	9.461	ug/L	99
44) trans-1,3-Dichloropropene	7.68	75	34796	9.507	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	22411	9.020	ug/L	96
46) Tetrachloroethene	8.00	164	20072	10.237	ug/L	96
48) 2-Hexanone	8.16	43	46357	16.796	ug/L	96
49) Dibromochloromethane	8.27	129	24777	9.977	ug/L	97
50) 1,2-Dibromoethane	8.38	107	23876	9.248	ug/L	99
51) Chlorobenzene	8.90	112	63856	9.560	ug/L	99
52) Ethylbenzene	9.04	91	103719	9.183	ug/L	99
53) m,p-Xylene	9.16	106	38451	9.236	ug/L	96
54) o-xylene	9.57	106	36800	8.953	ug/L	98
55) Styrene	9.58	104	62367	8.880	ug/L	99
56) Isopropylbenzene	9.95	105	99757	9.170	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	31914	8.341	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	28698	8.764	ug/L	99
61) Bromoform	9.75	173	17798	10.601	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	51475	9.447	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	52715	9.415	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	51726	9.276	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	6527	8.136	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	39849	9.543	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	33153	9.032	ug/L	99
69) Naphthalene	13.53	128	73746	7.460	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	33416	9.006	ug/L	99

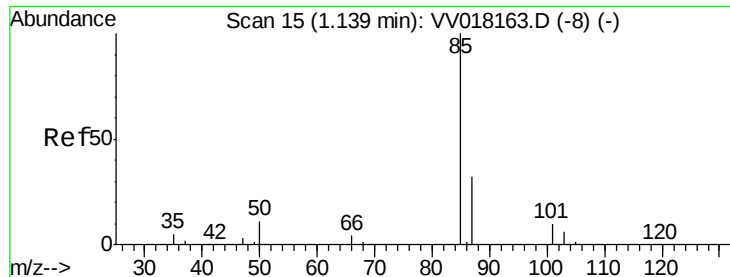
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 9.873 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV018162.D

Acq: 09 Sep 2020 10:36

Instrument :

MSVOA_V

ClientSampleId :

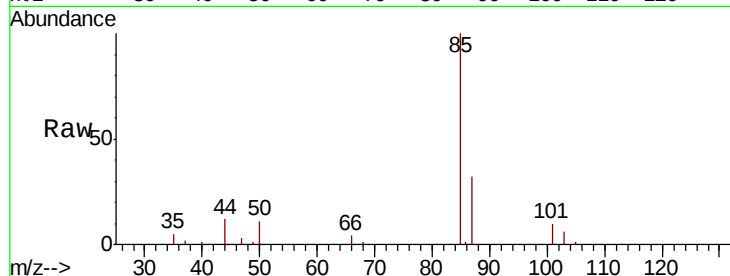
VSTD01065

Tot Ion: 85 Resp: 25487

Ion Ratio Lower Upper

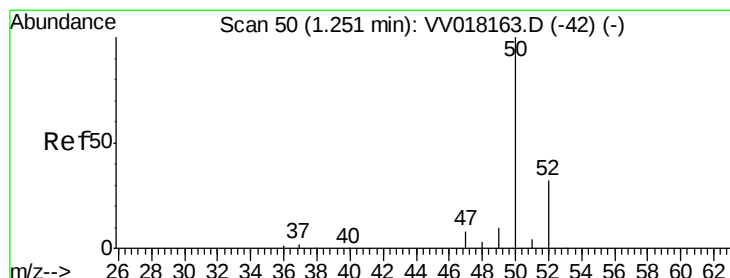
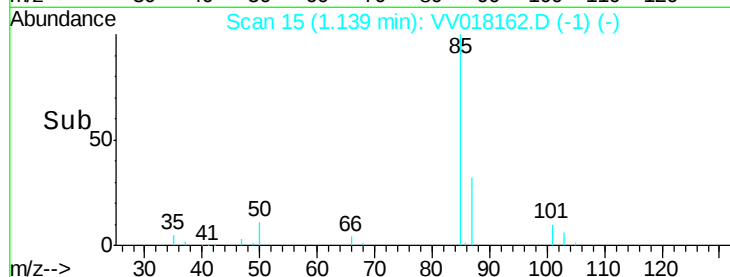
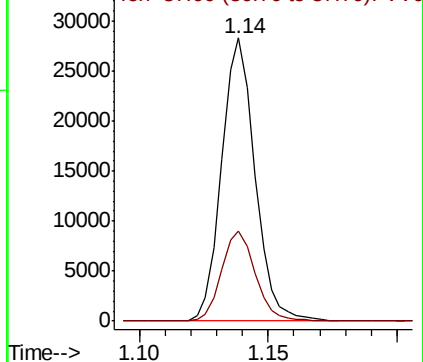
85 100

87 32.2 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: 9.211 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV018162.D

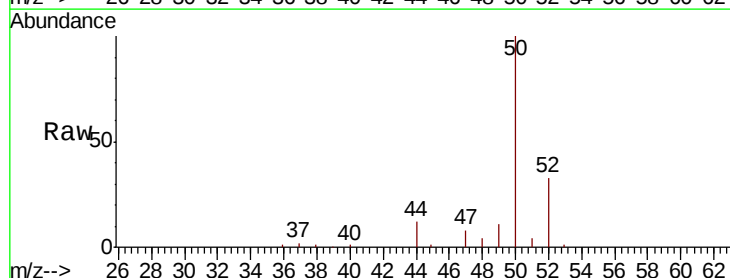
Acq: 09 Sep 2020 10:36

Tgt Ion: 50 Resp: 27158

Ion Ratio Lower Upper

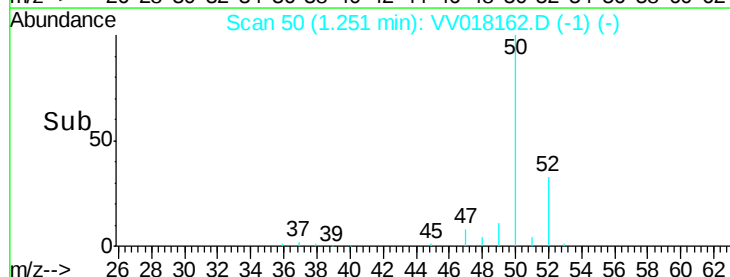
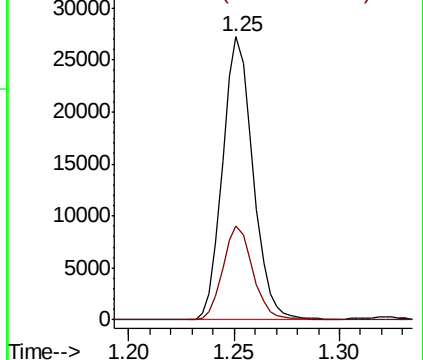
50 100

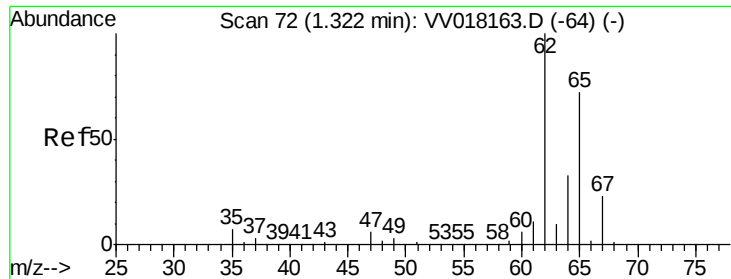
52 33.1 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 9.411 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV018162.D

Acq: 09 Sep 2020 10:36

Instrument :

MSVOA_V

ClientSampleID :

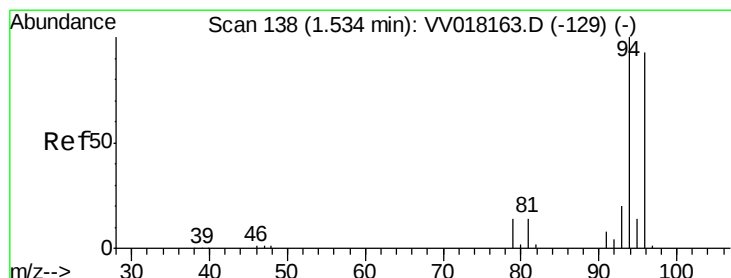
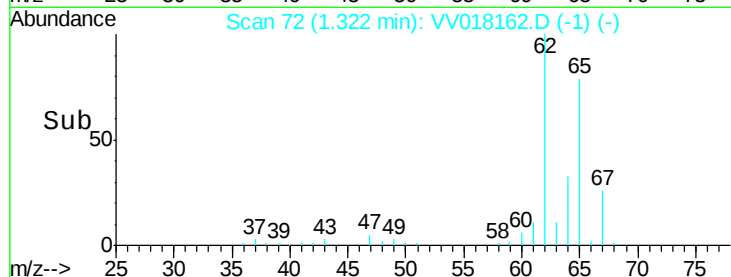
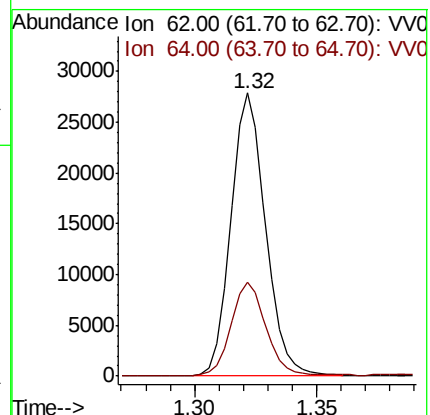
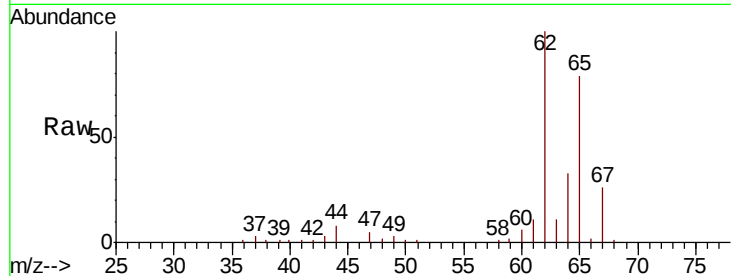
VSTD01065

Tot Ion: 62 Resp: 27556

Ion Ratio Lower Upper

62 100

64 33.2 23.1 42.9



#6

Bromomethane

Concen: 9.507 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV018162.D

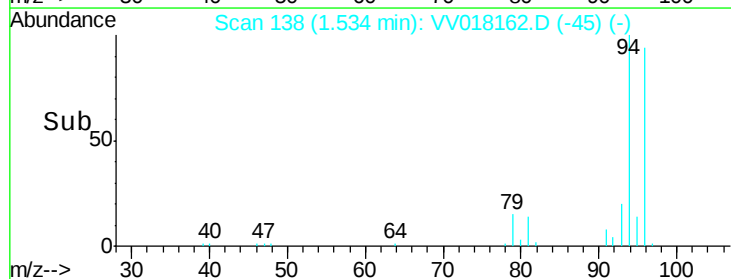
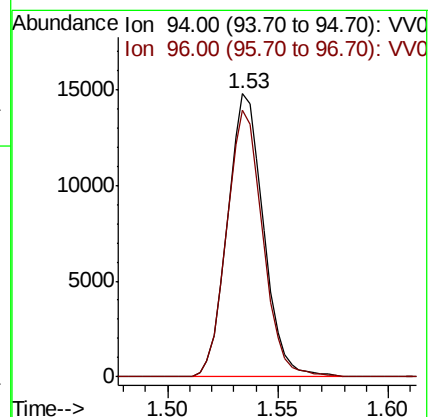
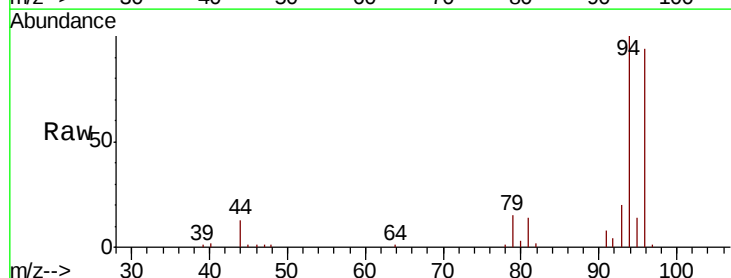
Acq: 09 Sep 2020 10:36

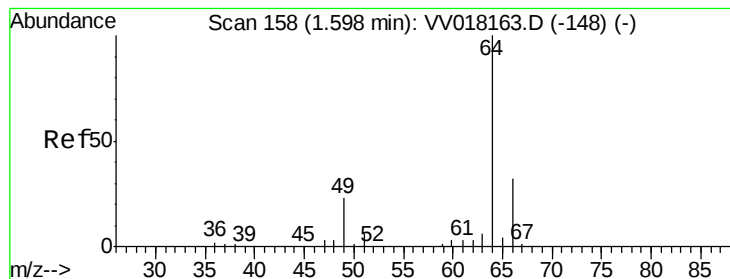
Tgt Ion: 94 Resp: 16774

Ion Ratio Lower Upper

94 100

96 94.2 65.1 120.9





#8

Chloroethane

Concen: 9.395 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV018162.D

Acq: 09 Sep 2020 10:36

Instrument :

MSVOA_V

ClientSampleId :

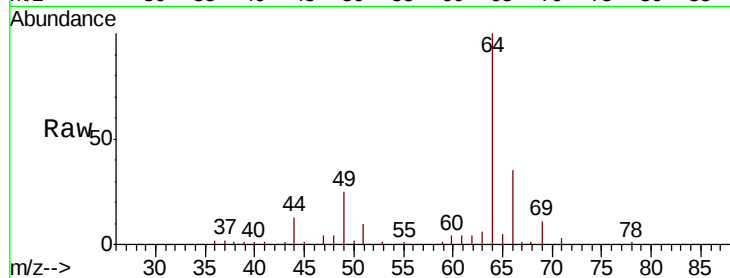
VSTD01065

Tot Ion: 64 Resp: 17561

Ion Ratio Lower Upper

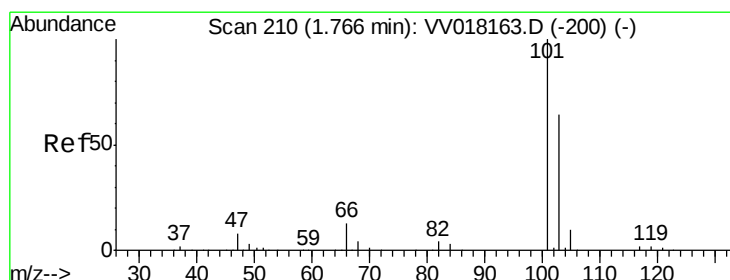
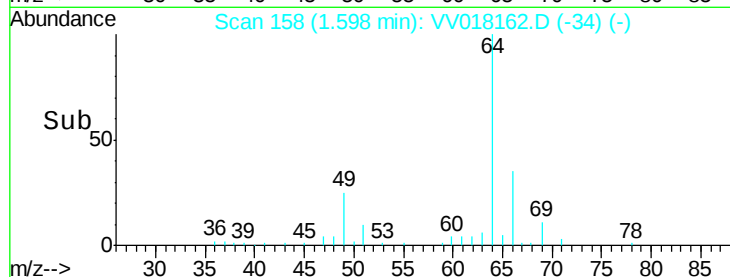
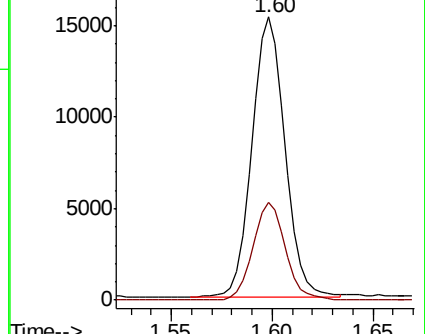
64 100

66 34.6 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VV018163.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV018163.D (-148) (-)



#9

Trichlorofluoromethane

Concen: 9.255 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV018162.D

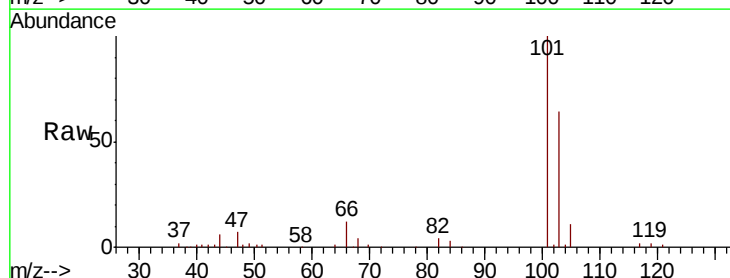
Acq: 09 Sep 2020 10:36

Tgt Ion: 101 Resp: 38620

Ion Ratio Lower Upper

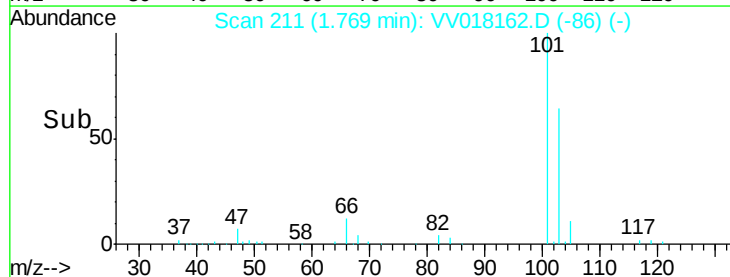
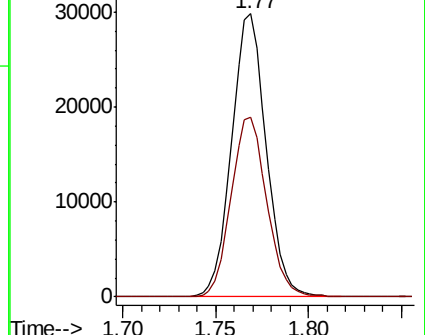
101 100

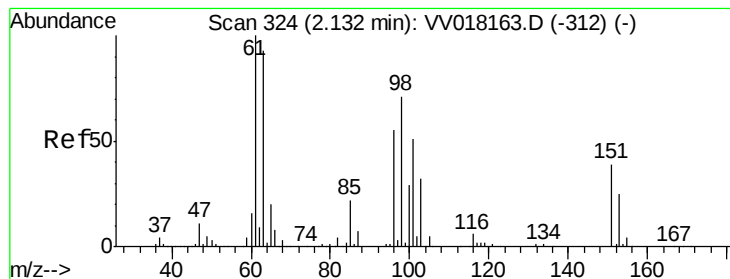
103 65.6 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV018163.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV018163.D (-200) (-)





#10

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

Concen: 9.728 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV018162.D

Acq: 09 Sep 2020 10:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD01065

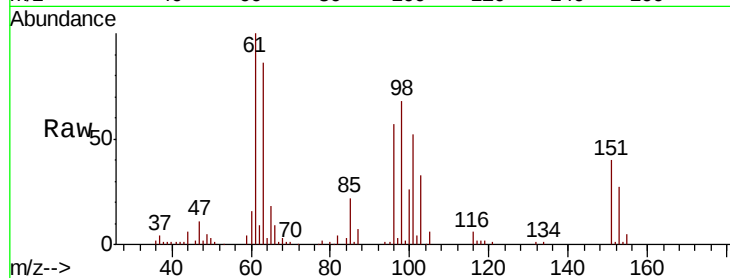
Tot Ion:101 Resp: 23016

Ion Ratio Lower Upper

101 100

85 43.6 33.5 50.3

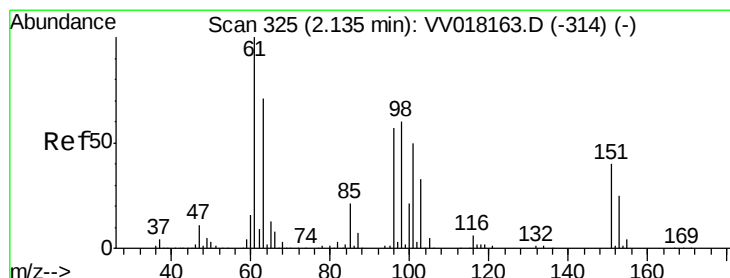
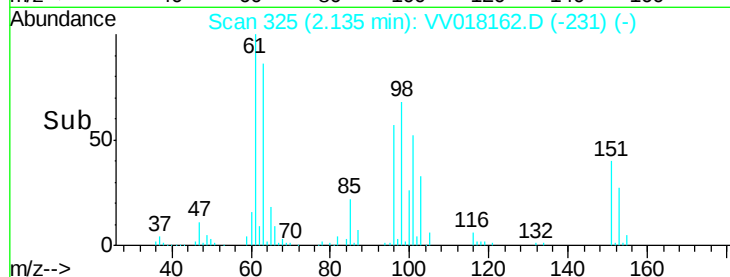
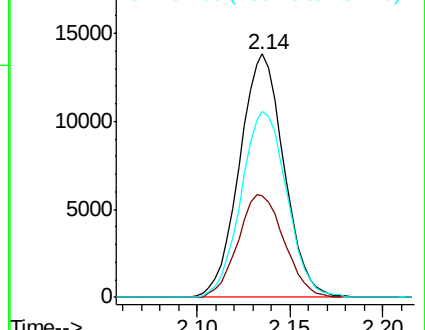
151 78.6 62.2 93.2



Abundance Ion 101.00 (100.70 to 101.70): VV018162.D (-231) (-)

Ion 85.00 (84.70 to 85.70): VV018162.D (-231) (-)

Ion 151.00 (150.70 to 151.70): VV018162.D (-231) (-)



#12

1,1-Dichloroethene

Concen: 9.746 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV018162.D

Acq: 09 Sep 2020 10:36

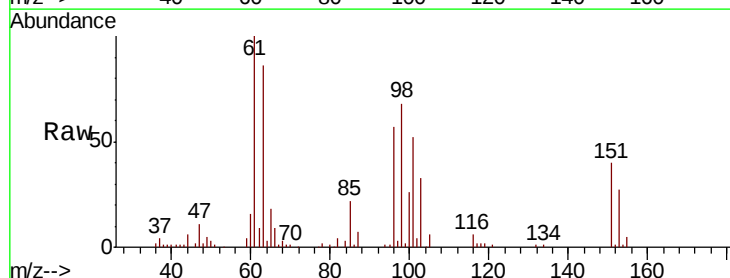
Tgt Ion: 96 Resp: 21849

Ion Ratio Lower Upper

96 100

61 176.3 122.9 228.3

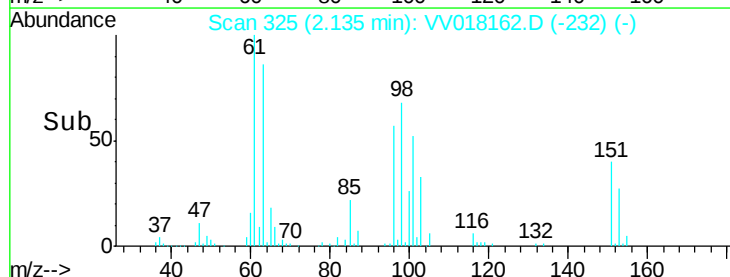
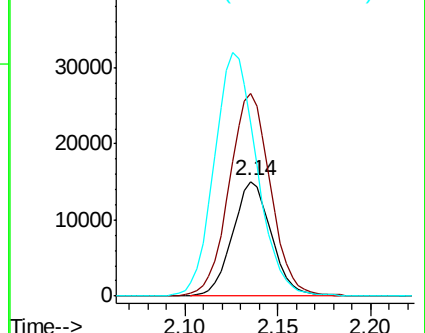
63 150.9 91.9 170.7

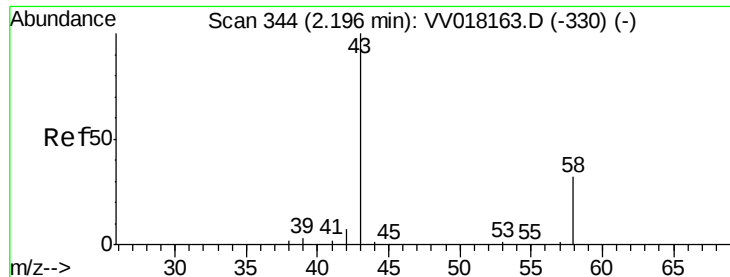


Abundance Ion 96.00 (95.70 to 96.70): VV018162.D (-232) (-)

Ion 61.00 (60.70 to 61.70): VV018162.D (-232) (-)

Ion 63.00 (62.70 to 63.70): VV018162.D (-232) (-)





#13

Acetone

Concen: 17.748 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.00 min

Lab File: VV018162.D

Acq: 09 Sep 2020 10:36

Instrument :

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ClientSampleId :

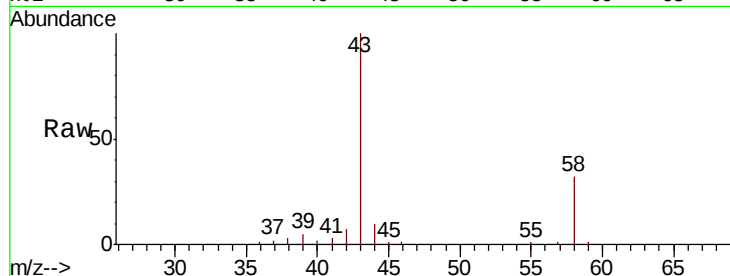
VSTD01065

Tot Ion: 43 Resp: 29085

Ion Ratio Lower Upper

43 100

58 34.0 0.0 67.4



Abundance Ion 43.00 (42.70 to 43.70): VV018163.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV018163.D (-330) (-)

2.19

15000

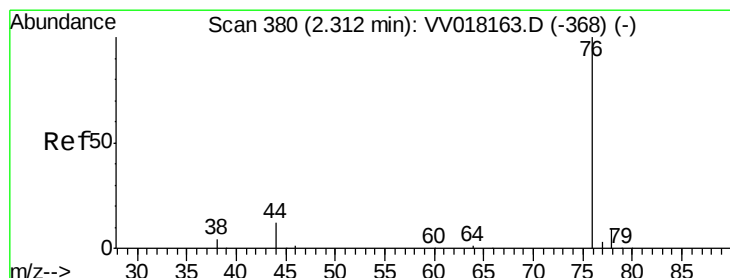
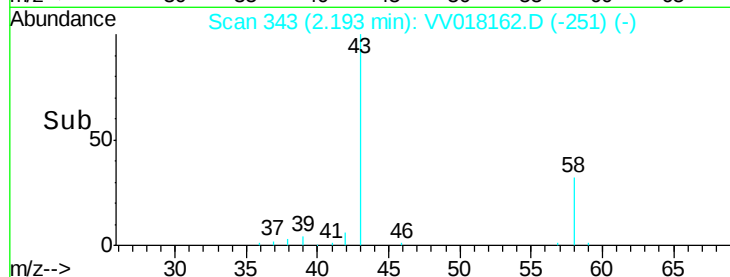
10000

5000

0

Time-->

2.10 2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 10.667 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV018162.D

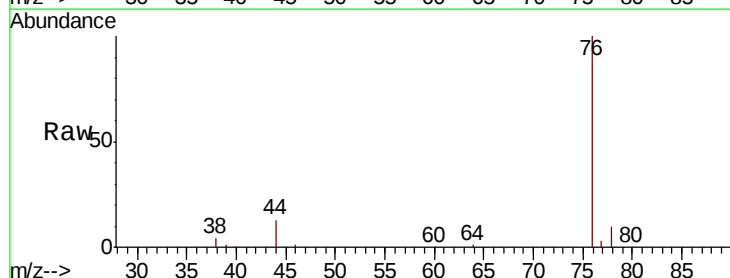
Acq: 09 Sep 2020 10:36

Tgt Ion: 76 Resp: 67320

Ion Ratio Lower Upper

76 100

78 10.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV018163.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV018163.D (-368) (-)

2.31

50000

40000

30000

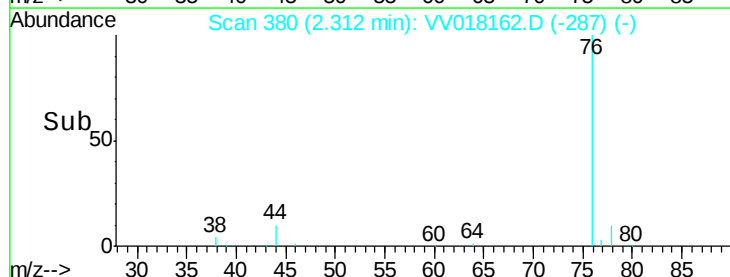
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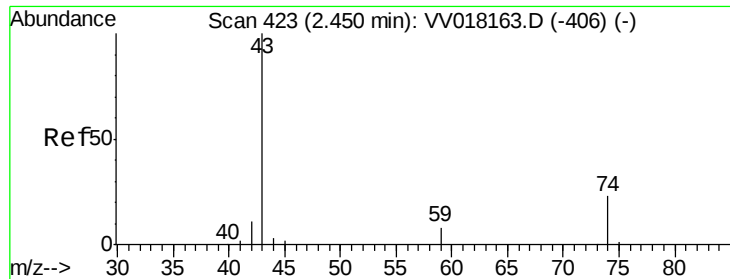
10000

0

Time-->

2.25 2.30 2.35 2.40

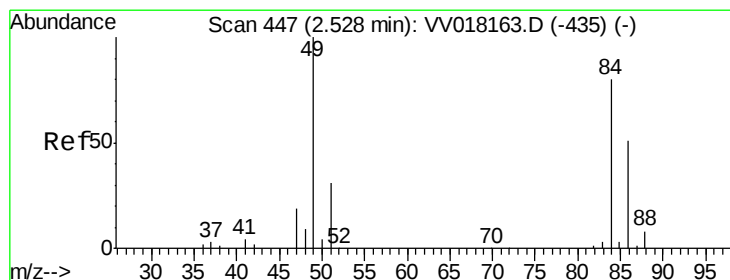
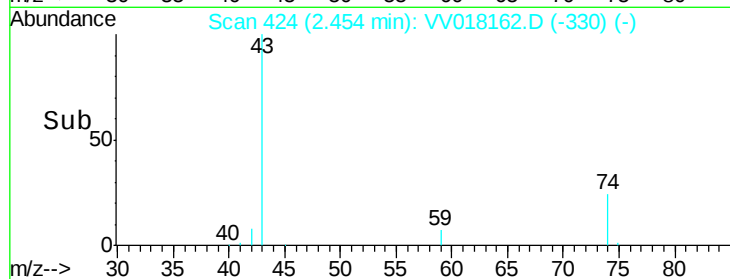
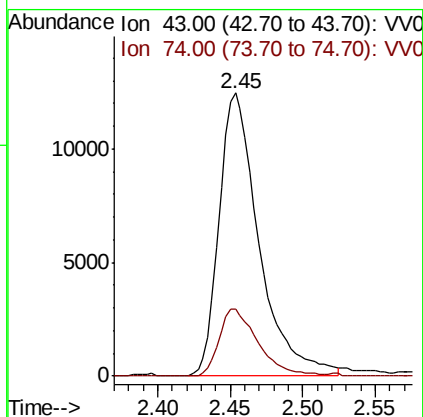
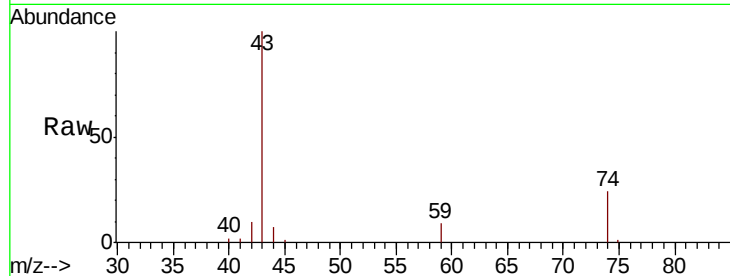




#15
Methvl Acetate
Concen: 8.820 ug/L
RT: 2.45 min Scan# 424
Delta R.T. 0.00 min
Lab File: VV018162.D
Acq: 09 Sep 2020 10:36

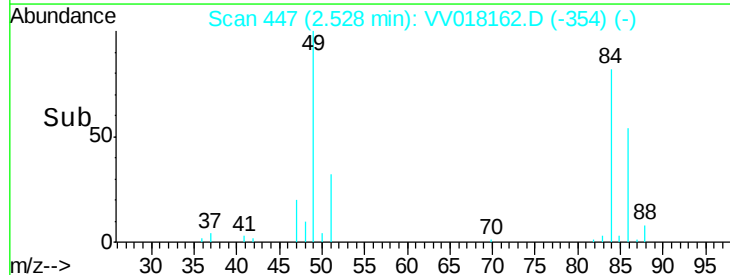
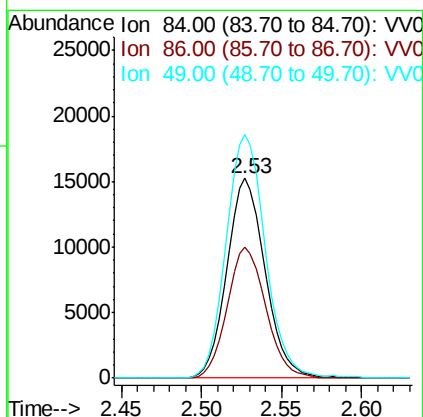
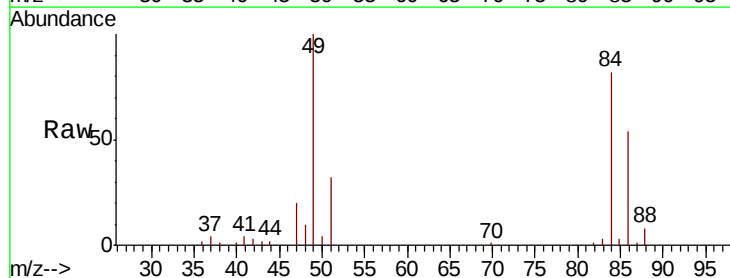
Instrument :
MSVOA_V
ClientSampled :
VSTD01065

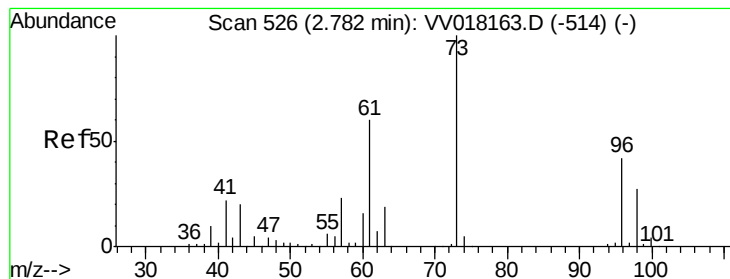
Tot Ion: 43 Resp: 23836
Ion Ratio Lower Upper
43 100
74 23.1 18.4 27.6



#16
Methylene chloride
Concen: 8.924 ug/L
RT: 2.53 min Scan# 447
Delta R.T. -0.00 min
Lab File: VV018162.D
Acq: 09 Sep 2020 10:36

Tgt Ion: 84 Resp: 24913
Ion Ratio Lower Upper
84 100
86 65.5 44.4 82.4
49 122.0 87.2 162.0





#17

trans-1,2-Dichloroethene

Concen: 9.646 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV018162.D

Acq: 09 Sep 2020 10:36

Instrument :

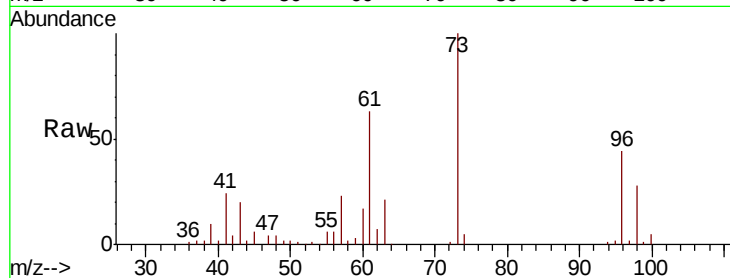
MSVOA_V

ClientSampleId :

VSTD01065

Tot Ion: 96 Resp: 22245

Ion	Ratio	Lower	Upper
96	100		
61	144.6	100.7	186.9
98	64.7	45.2	84.0

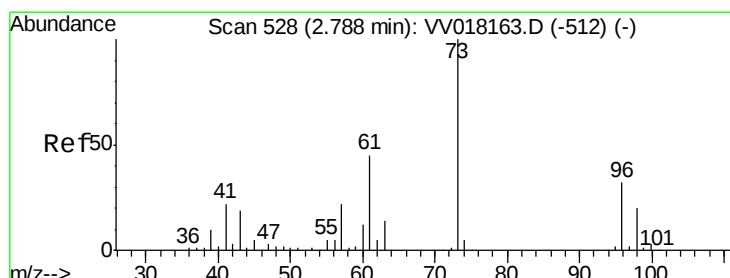
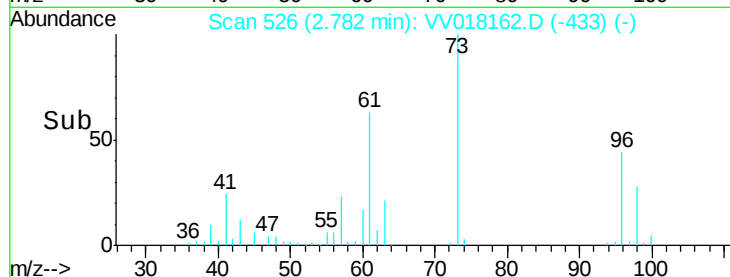
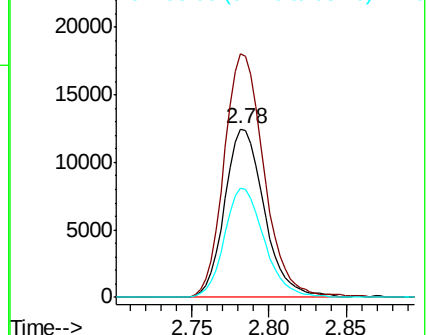


Abundance

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: 8.977 ug/L

RT: 2.79 min Scan# 528

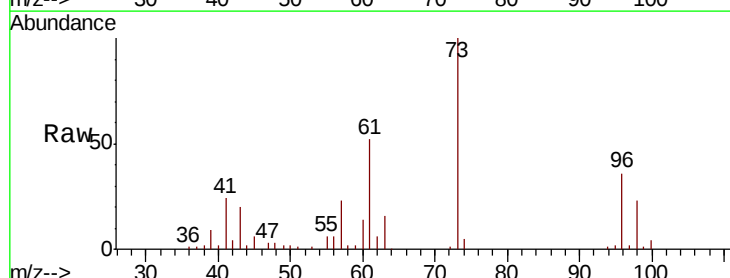
Delta R.T. -0.00 min

Lab File: VV018162.D

Acq: 09 Sep 2020 10:36

Tgt Ion: 73 Resp: 67277

Ion	Ratio	Lower	Upper
73	100		
43	19.6	15.4	23.0
57	22.8	18.0	27.0

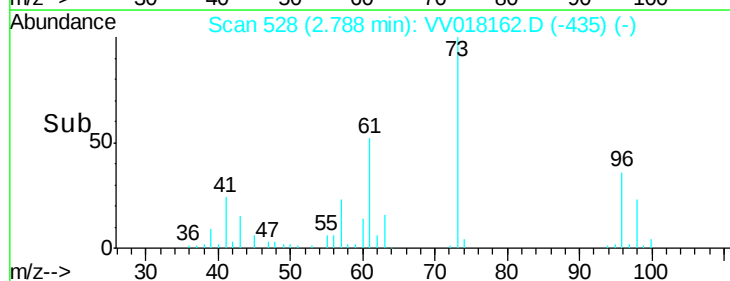
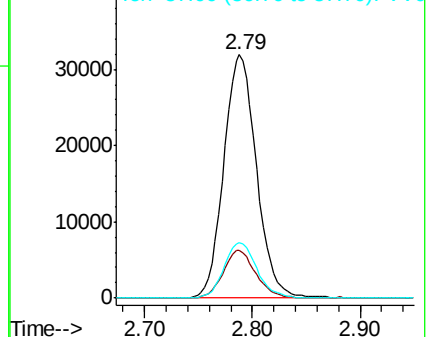


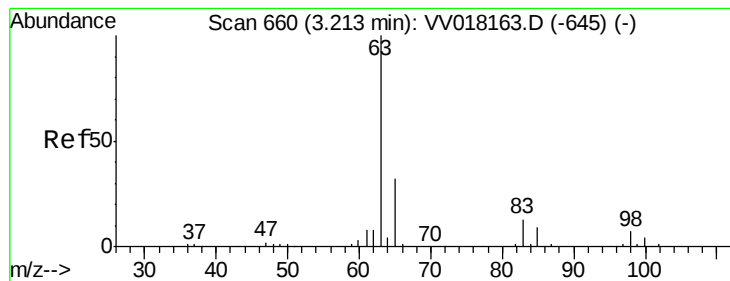
Abundance

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: 9.421 ug/L

RT: 3.22 min Scan# 661

Delta R.T. 0.00 min

Lab File: VV018162.D

Acq: 09 Sep 2020 10:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD01065

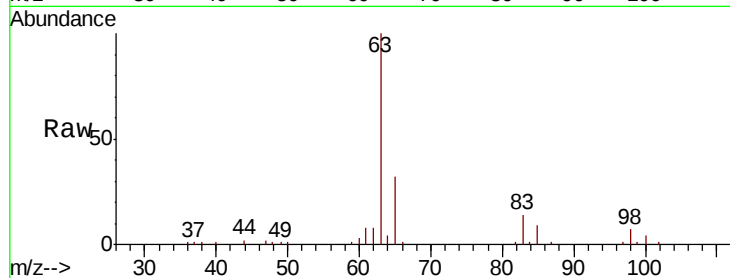
Tot Ion: 63 Resp: 43151

Ion Ratio Lower Upper

63 100

65 31.8 22.5 41.7

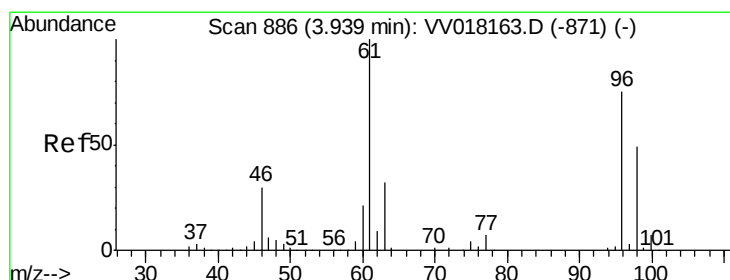
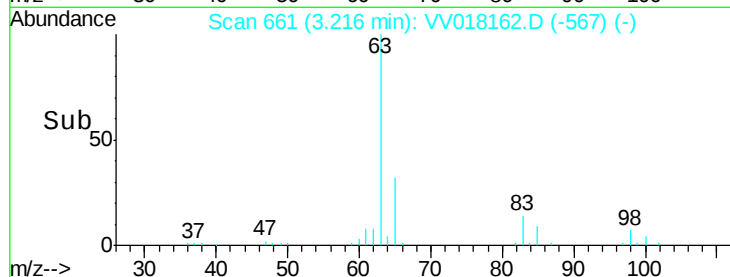
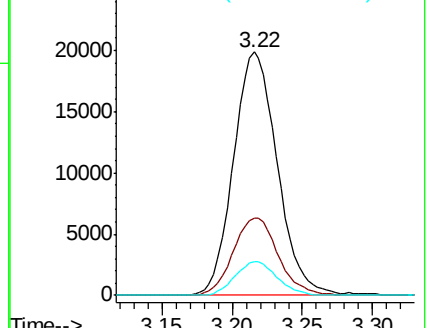
83 14.0 9.3 17.3



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 9.410 ug/L

RT: 3.95 min Scan# 888

Delta R.T. 0.01 min

Lab File: VV018162.D

Acq: 09 Sep 2020 10:36

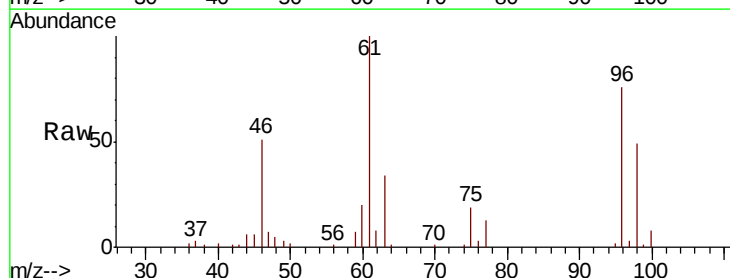
Tgt Ion: 96 Resp: 23627

Ion Ratio Lower Upper

96 100

61 130.9 93.6 173.8

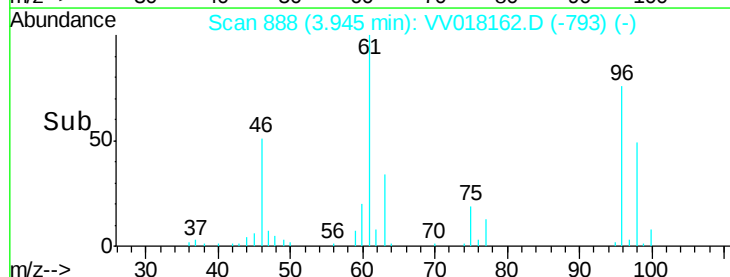
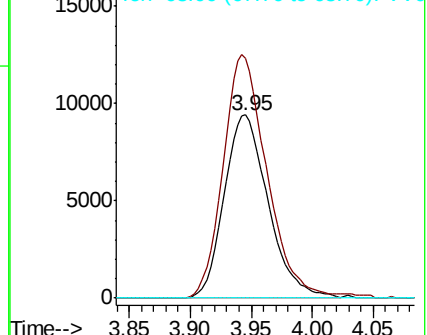
68 0.0 0.0 0.0

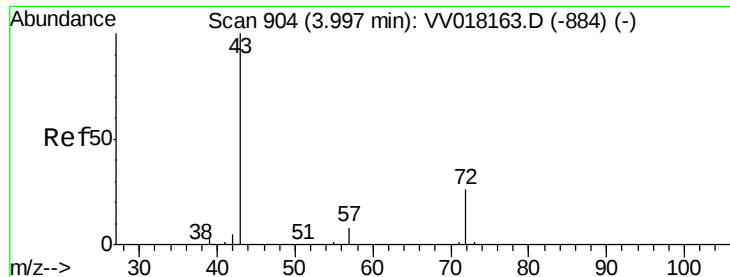


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 16.378 ug/L

RT: 4.01 min Scan# 907

Delta R.T. 0.01 min

Lab File: VV018162.D

Acq: 09 Sep 2020 10:36

Instrument :

MSVOA_V

ClientSampleId :

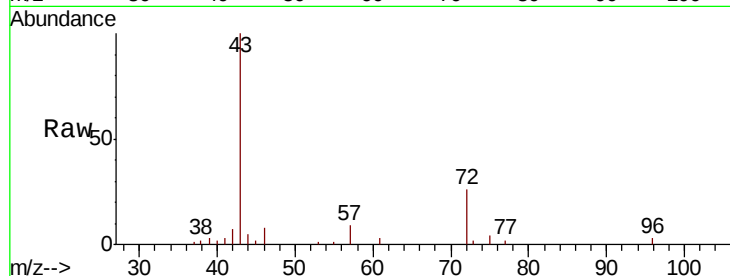
VSTD01065

Tot Ion: 43 Resp: 30375

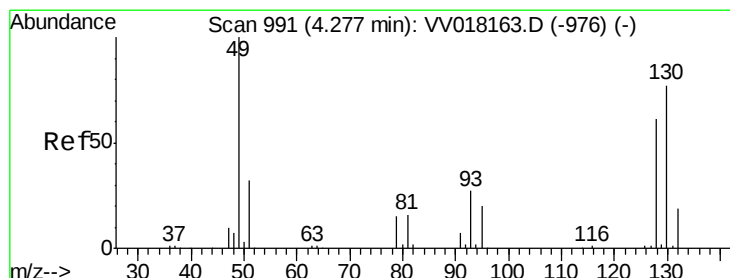
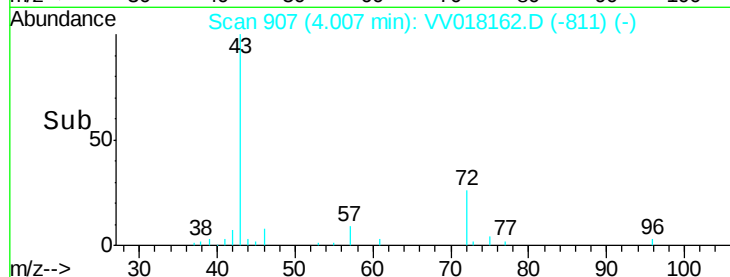
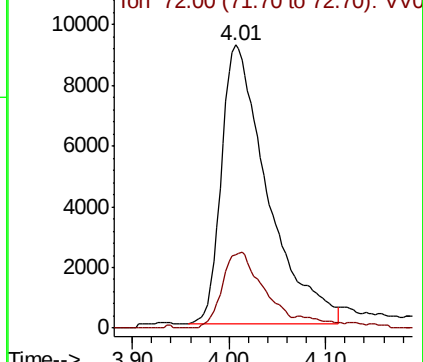
Ion Ratio Lower Upper

43 100

72 24.2 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VV018162.D (-811) (-)



#23

Bromochloromethane

Concen: 9.590 ug/L

RT: 4.28 min Scan# 992

Delta R.T. 0.00 min

Lab File: VV018162.D

Acq: 09 Sep 2020 10:36

Tgt Ion: 128 Resp: 12621

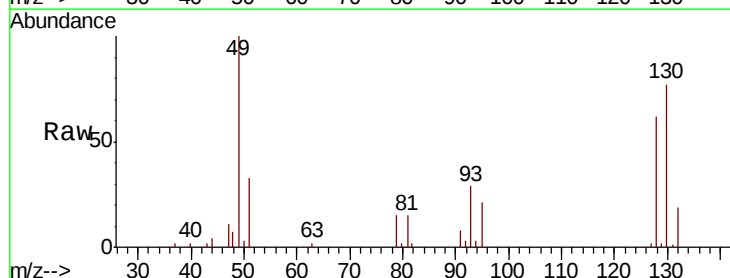
Ion Ratio Lower Upper

128 100

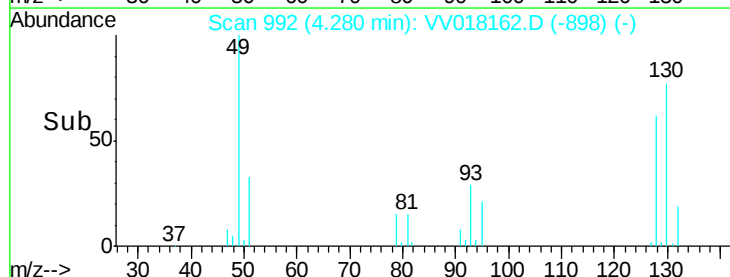
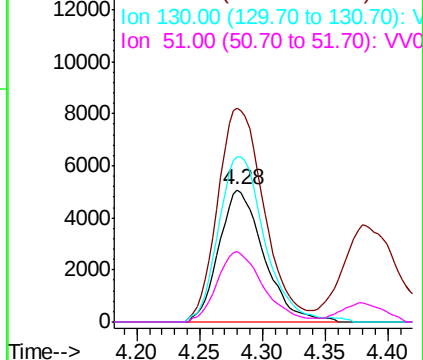
49 161.2 114.4 212.6

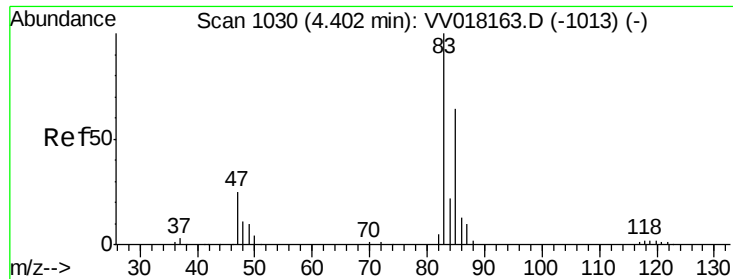
130 124.6 87.9 163.3

51 52.7 41.8 62.8



Abundance Ion 128.00 (127.70 to 128.70): VV018162.D (-898) (-)

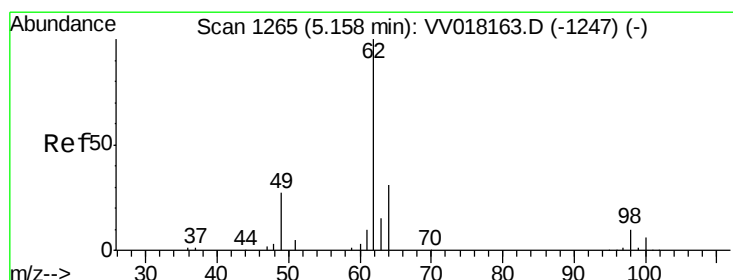
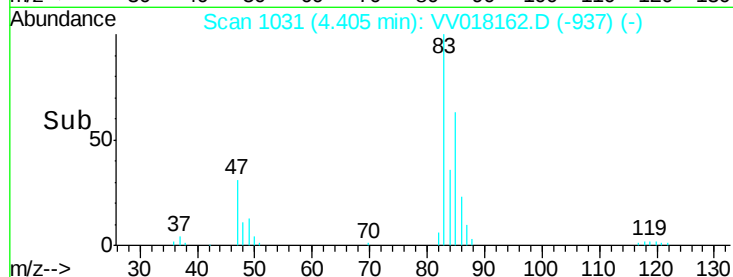
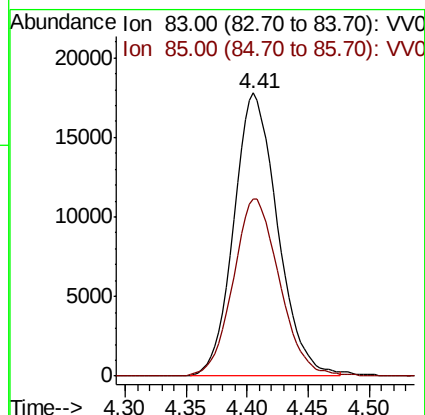
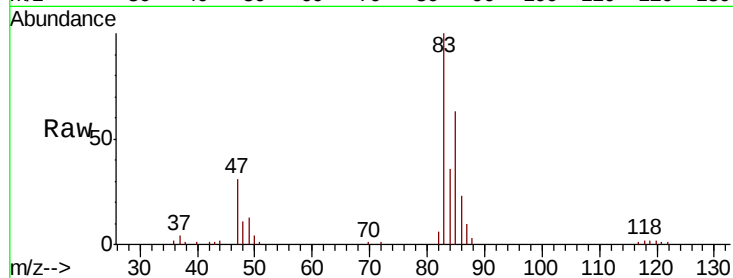




#25
Chloroform
Concen: 9.485 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV018162.D
Acq: 09 Sep 2020 10:36

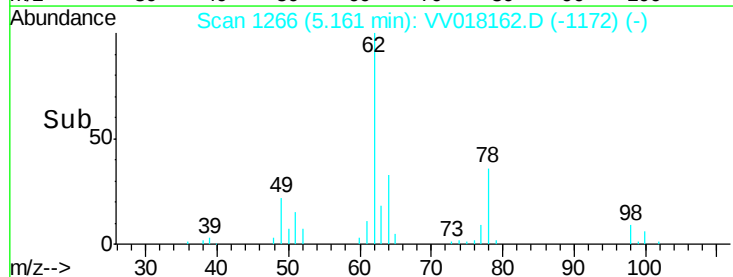
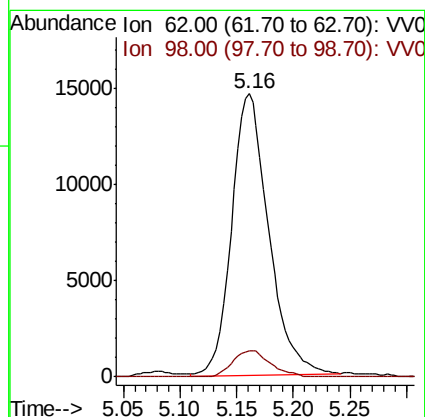
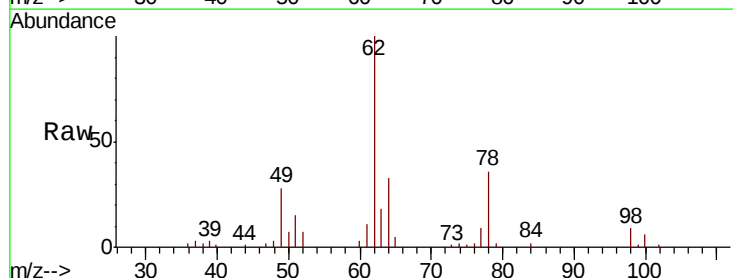
Instrument :
MSVOA_V
ClientSampleId :
VSTD01065

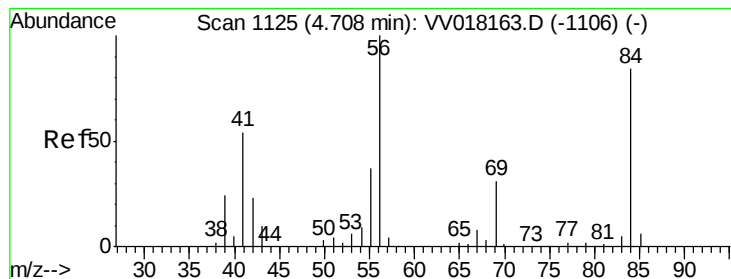
Tot Ion: 83 Resp: 44302
Ion Ratio Lower Upper
83 100
85 62.8 45.0 83.6



#27
1,2-Dichloroethane
Concen: 9.027 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VV018162.D
Acq: 09 Sep 2020 10:36

Tgt Ion: 62 Resp: 33336
Ion Ratio Lower Upper
62 100
98 9.0 7.6 11.4





#29

Cyclohexane

Concen: 9.201 ug/L

RT: 4.71 min Scan# 1125

Delta R.T. -0.00 min

Lab File: VV018162.D

Acq: 09 Sep 2020 10:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD01065

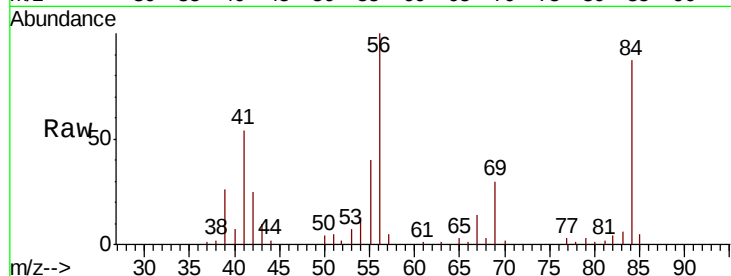
Tot Ion: 56 Resp: 35838

Ion Ratio Lower Upper

56 100

69 30.4 24.2 36.2

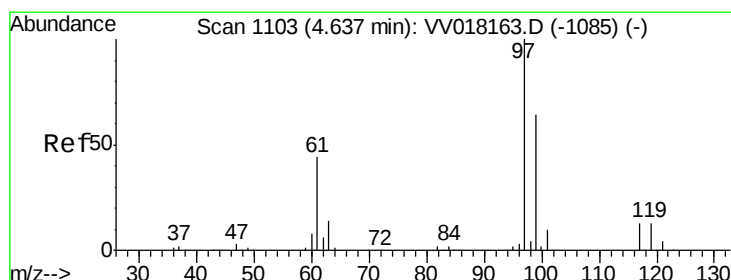
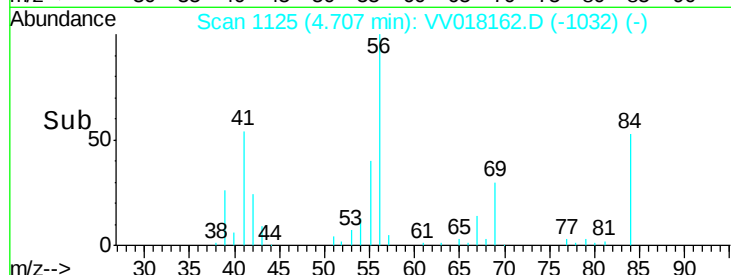
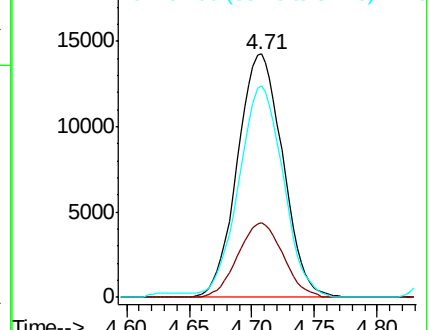
84 85.2 68.3 102.5



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: 9.685 ug/L

RT: 4.64 min Scan# 1104

Delta R.T. 0.00 min

Lab File: VV018162.D

Acq: 09 Sep 2020 10:36

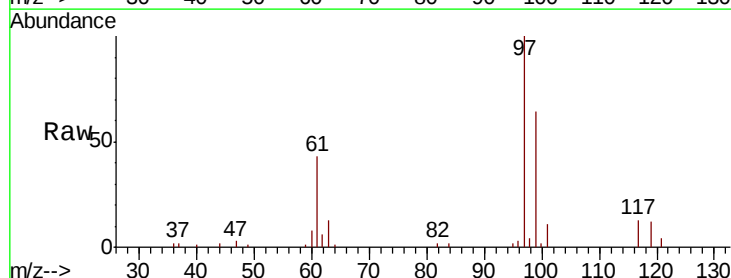
Tgt Ion: 97 Resp: 38086

Ion Ratio Lower Upper

97 100

99 64.8 51.6 77.4

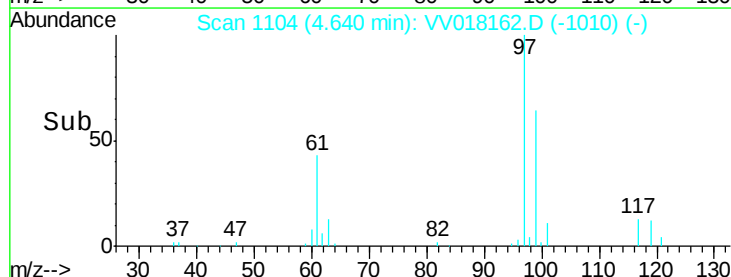
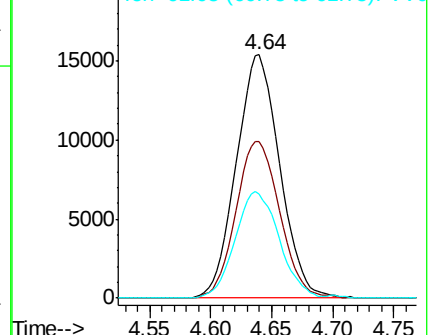
61 44.3 34.9 52.3

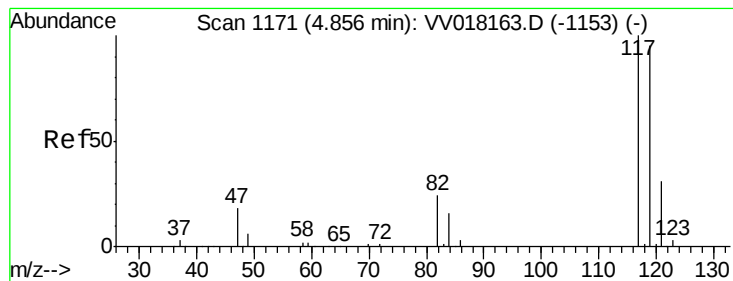


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 9.982 ug/L

RT: 4.86 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VV018162.D

Acq: 09 Sep 2020 10:36

Instrument :

MSVOA_V

ClientSampleId :

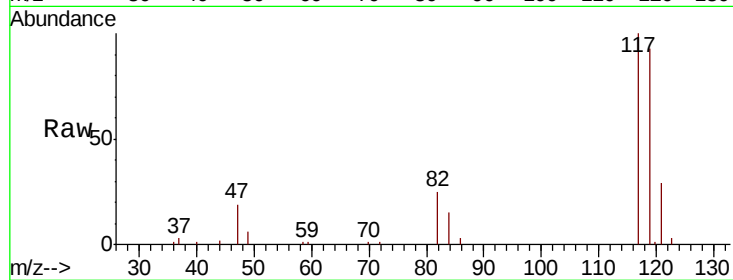
VSTD01065

Tot Ion:117 Resp: 33126

Ion Ratio Lower Upper

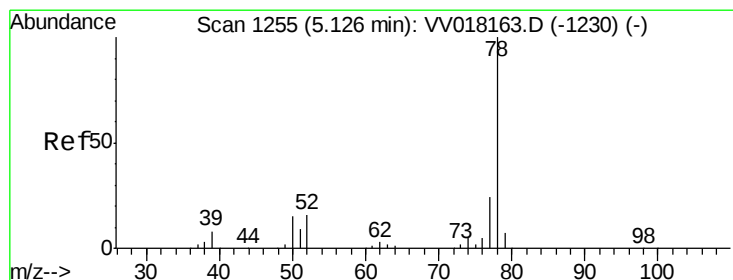
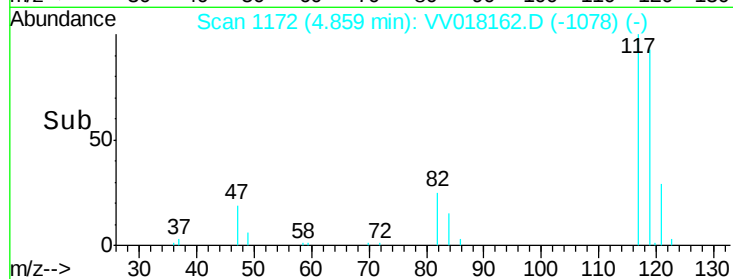
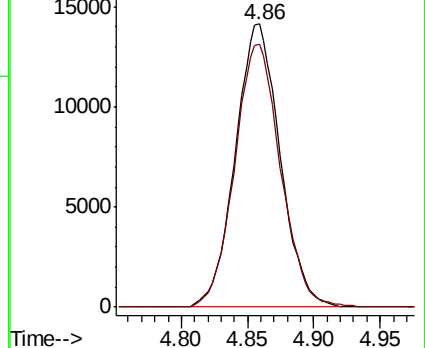
117 100

119 95.1 75.7 113.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 9.417 ug/L

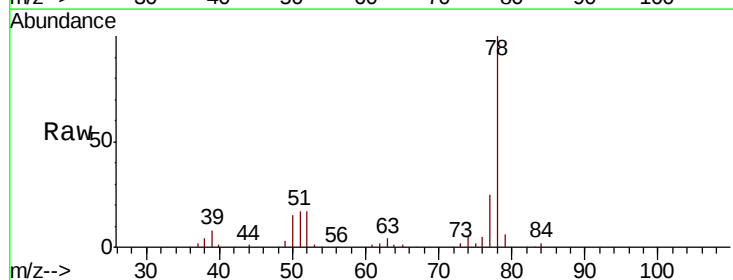
RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

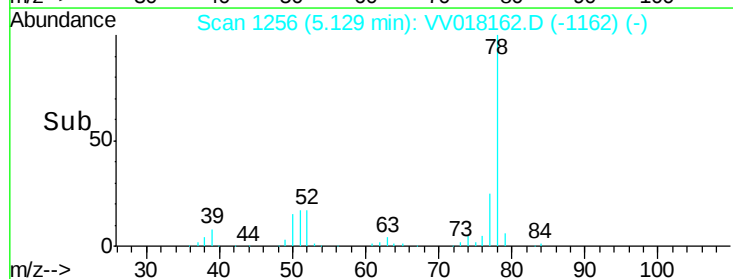
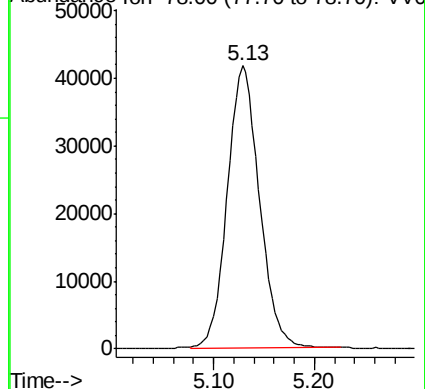
Lab File: VV018162.D

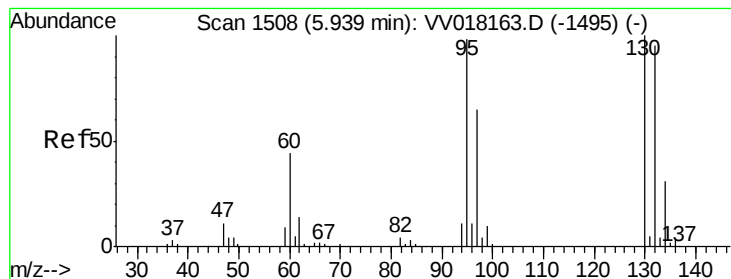
Acq: 09 Sep 2020 10:36

Tgt Ion: 78 Resp: 92904



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 10.131 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VV018162.D

Acq: 09 Sep 2020 10:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD01065

Tot Ion: 95 Resp: 26607

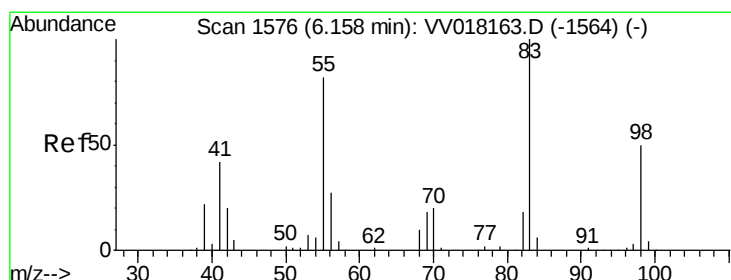
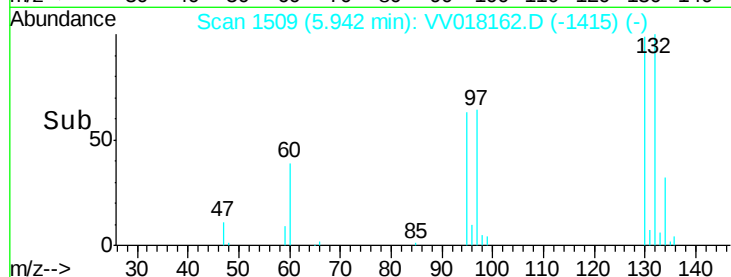
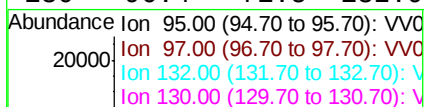
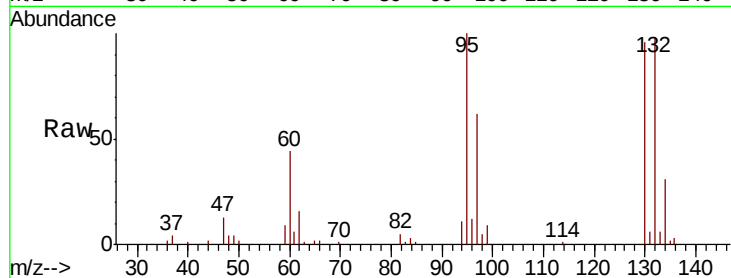
Ion Ratio Lower Upper

95 100

97 62.4 46.3 85.9

132 97.6 68.1 126.5

130 96.4 71.5 132.9



#35

Methylcyclohexane

Concen: 9.466 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VV018162.D

Acq: 09 Sep 2020 10:36

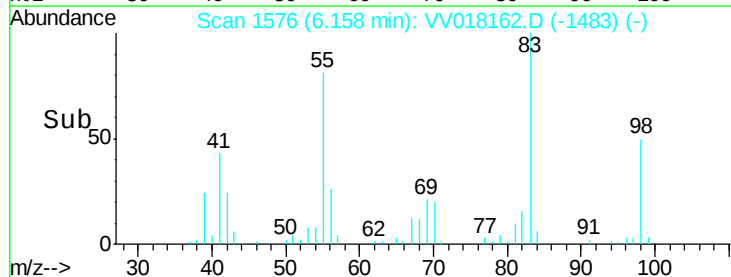
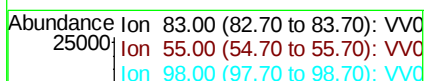
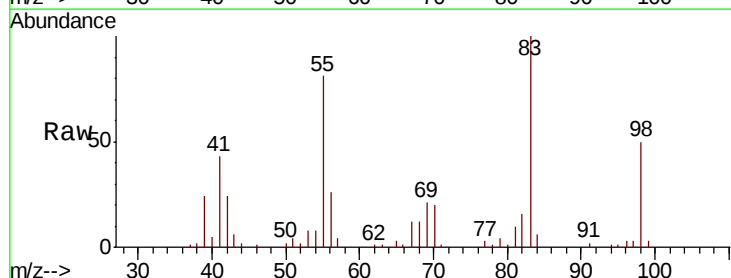
Tgt Ion: 83 Resp: 37327

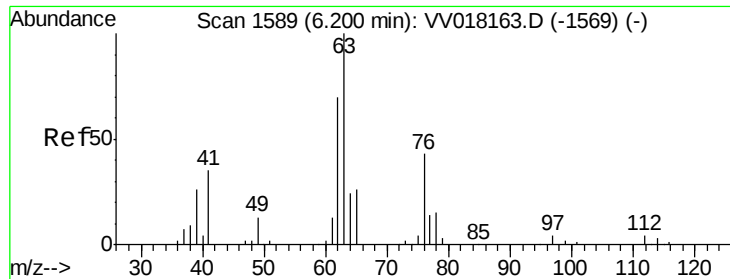
Ion Ratio Lower Upper

83 100

55 79.9 63.4 95.2

98 49.0 38.8 58.2

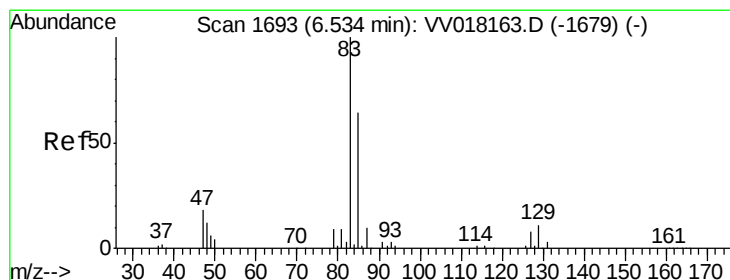
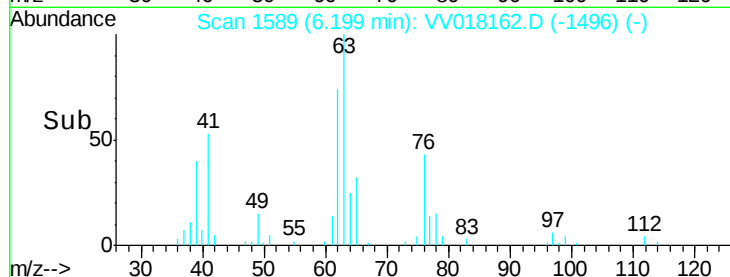
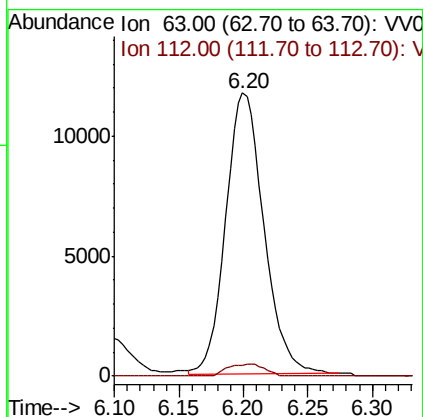
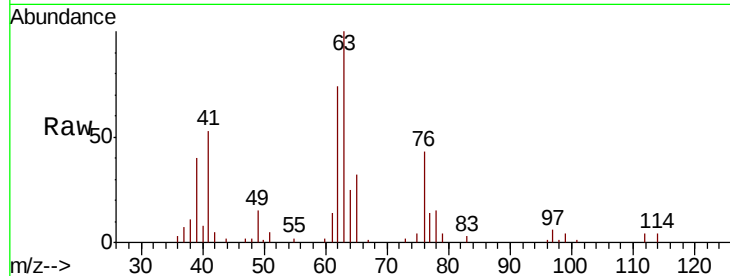




#37
 1,2-Dichloropropane
 Concen: 9.004 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. -0.00 min
 Lab File: VV018162.D
 Acq: 09 Sep 2020 10:36

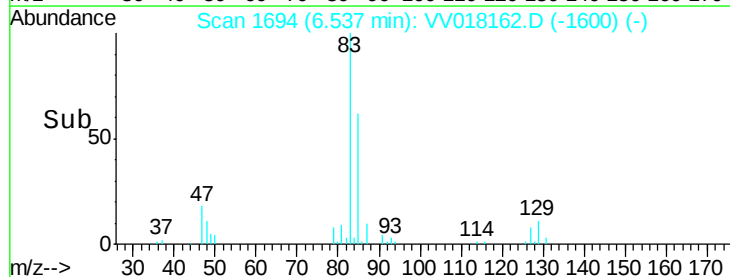
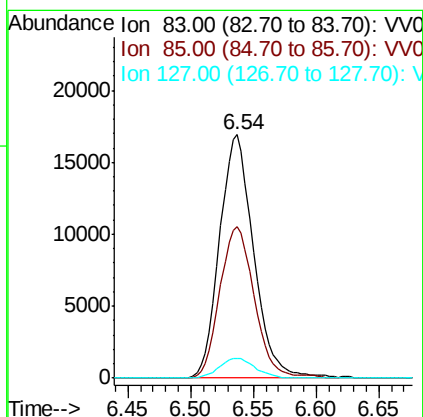
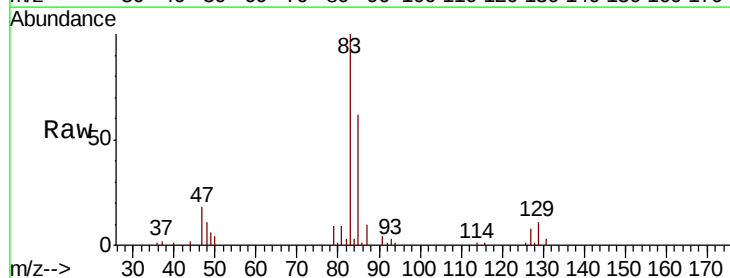
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD01065

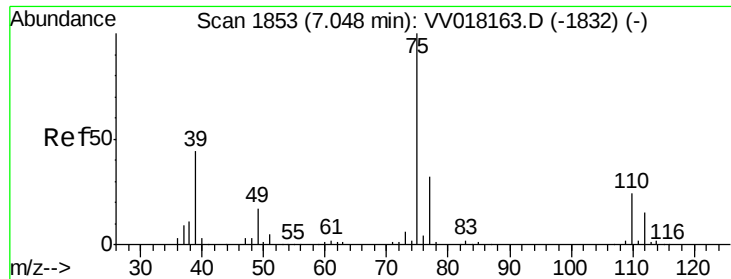
Tot Ion: 63 Resp: 24092
 Ion Ratio Lower Upper
 63 100
 112 1.6 3.4 5.2#



#38
 Bromodichloromethane
 Concen: 9.533 ug/L
 RT: 6.54 min Scan# 1694
 Delta R.T. 0.00 min
 Lab File: VV018162.D
 Acq: 09 Sep 2020 10:36

Tgt Ion: 83 Resp: 31950
 Ion Ratio Lower Upper
 83 100
 85 62.0 44.7 82.9
 127 8.3 6.7 10.1

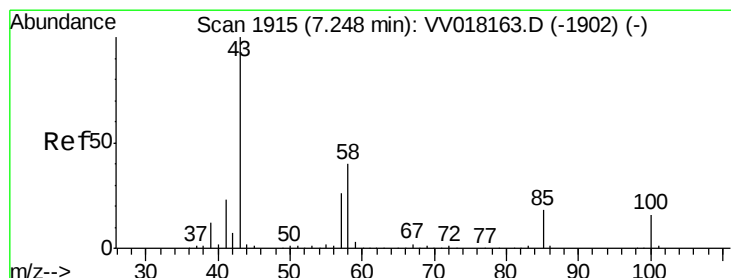
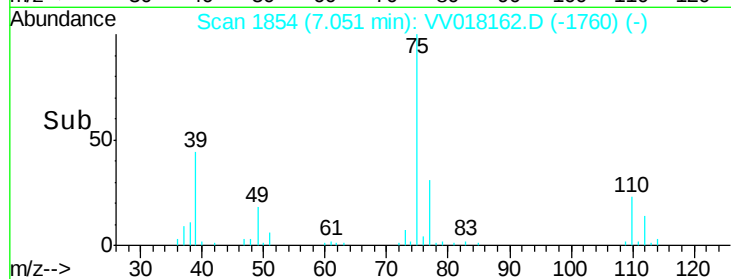
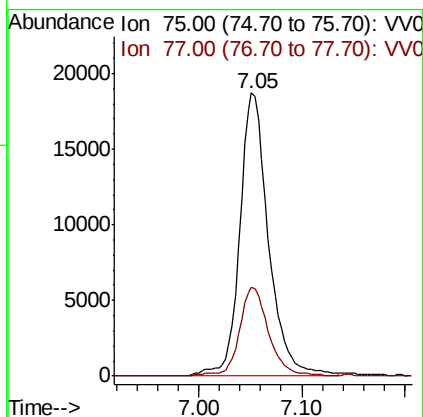
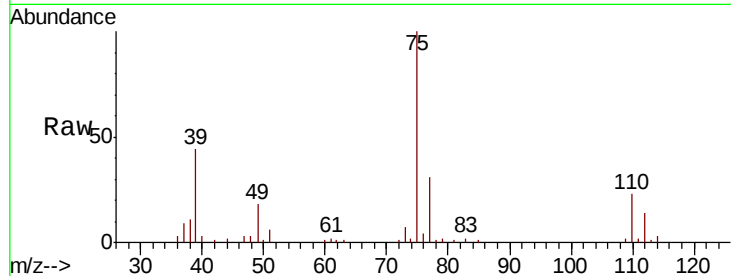




#39
 cis-1,3-Dichloropropene
 Concen: 9.470 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV018162.D
 Acq: 09 Sep 2020 10:36

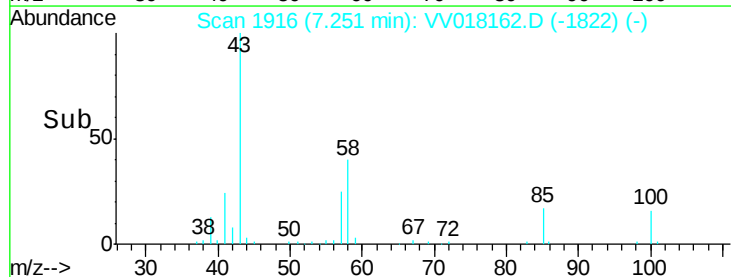
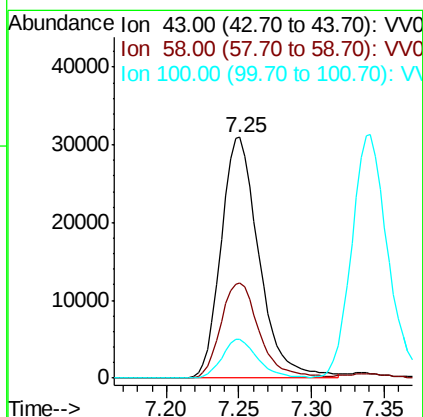
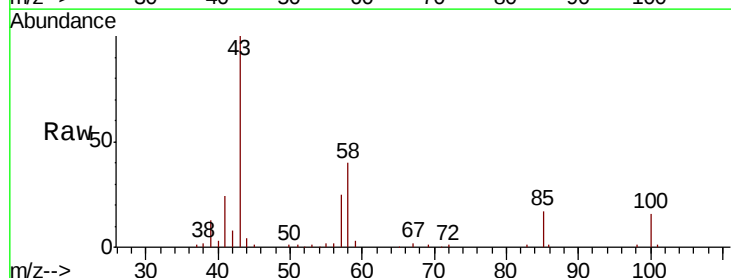
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01065

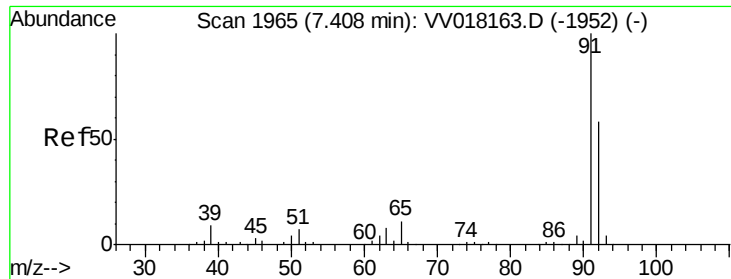
Tot Ion: 75 Resp: 36392
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 16.366 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VV018162.D
 Acq: 09 Sep 2020 10:36

Tgt Ion: 43 Resp: 56288
 Ion Ratio Lower Upper
 43 100
 58 40.1 32.4 48.6
 100 15.1 12.7 19.1





#42

Toluene

Concen: 9.461 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV018162.D

Acq: 09 Sep 2020 10:36

Instrument :

MSVOA_V

ClientSampleId :

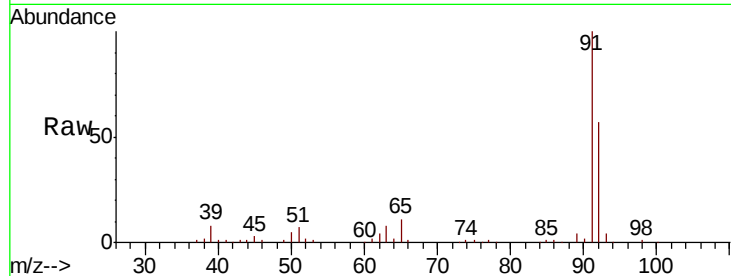
VSTD01065

Tot Ion: 91 Resp: 97841

Ion Ratio Lower Upper

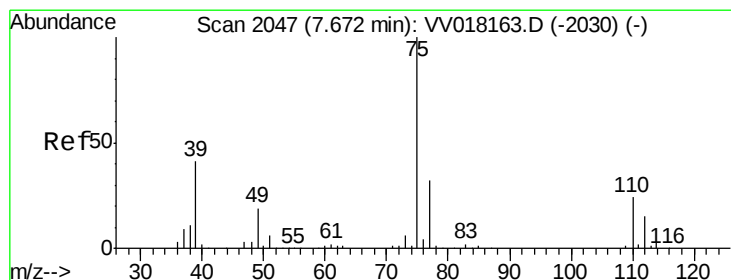
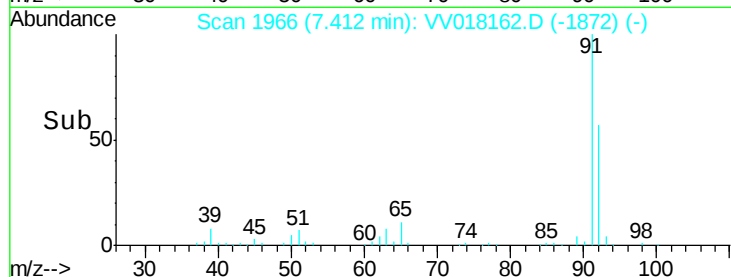
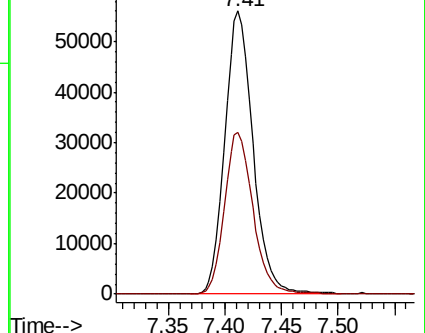
91 100

92 57.2 40.7 75.5



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

Ion 92.00 (91.70 to 92.70): VV018162.D (-1872) (-)



#44

trans-1,3-Dichloropropene

Concen: 9.507 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.00 min

Lab File: VV018162.D

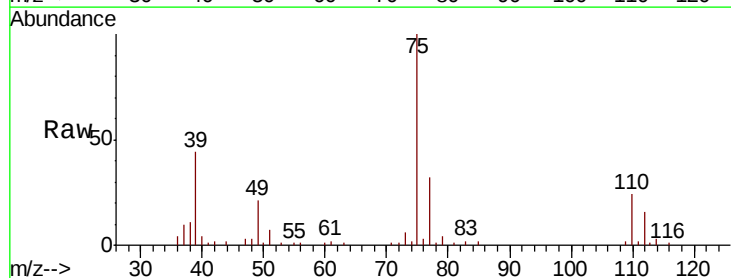
Acq: 09 Sep 2020 10:36

Tgt Ion: 75 Resp: 34796

Ion Ratio Lower Upper

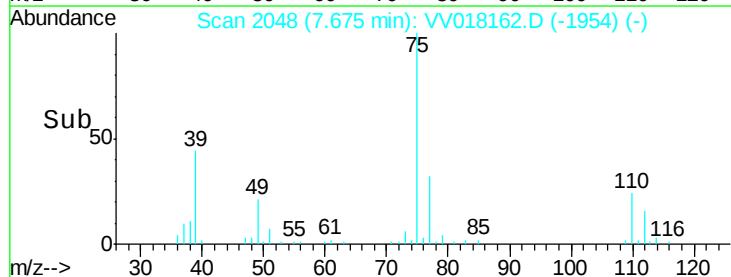
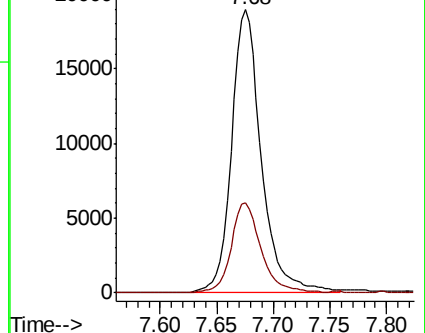
75 100

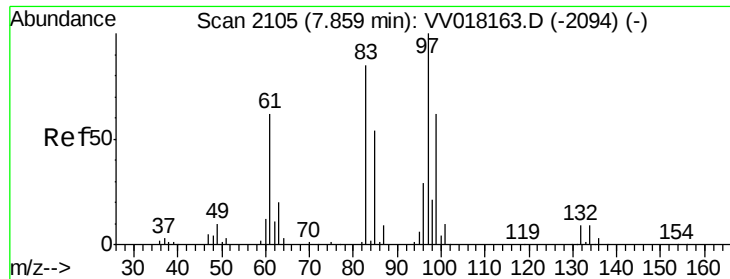
77 31.9 22.3 41.5



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

Ion 77.00 (76.70 to 77.70): VV018162.D (-1954) (-)

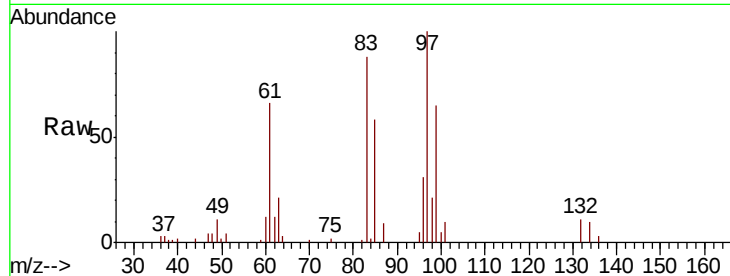




#45
 1,1,2-Trichloroethane
 Concen: 9.020 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV018162.D
 Acq: 09 Sep 2020 10:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01065

Tot Ion:	97	Resp:	22411
Ion	Ratio	Lower	Upper
97	100		
99	64.7	43.7	81.1
83	87.7	59.9	111.3
85	58.5	37.6	69.8



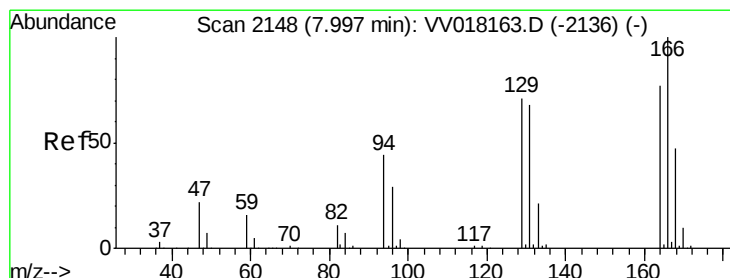
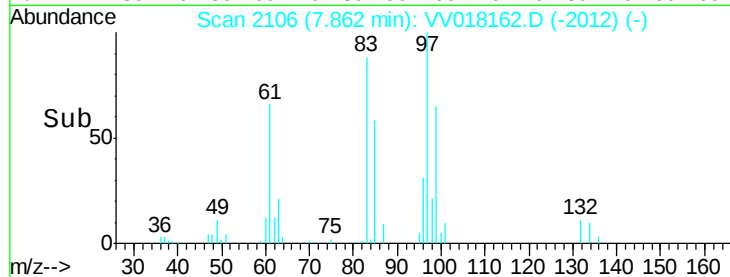
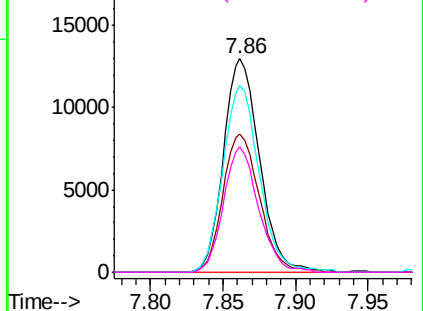
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

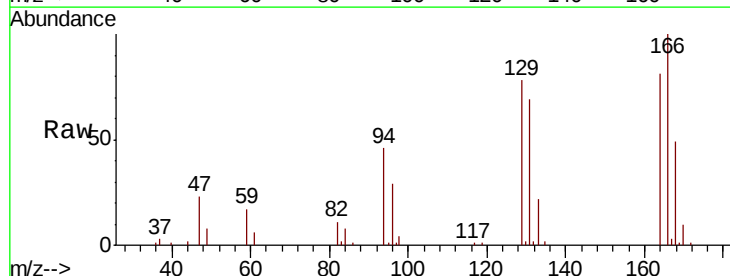
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 10.237 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV018162.D
 Acq: 09 Sep 2020 10:36

Tgt Ion:	164	Resp:	20072
Ion	Ratio	Lower	Upper
164	100		
129	96.2	64.5	119.7
131	85.5	61.8	114.8
166	123.8	90.6	168.2



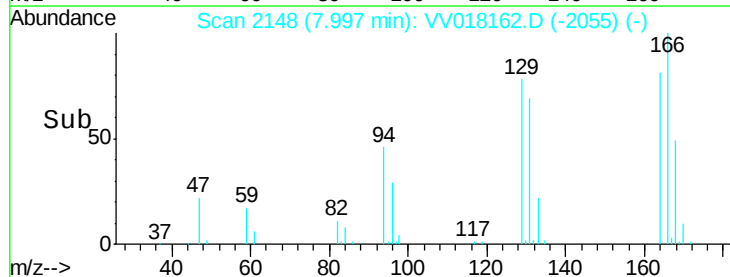
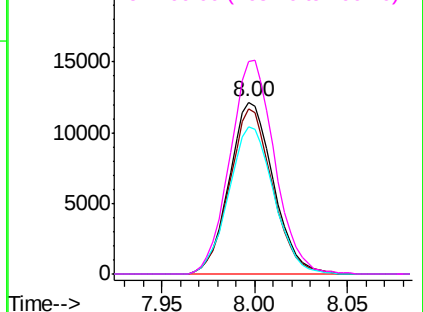
Abundance

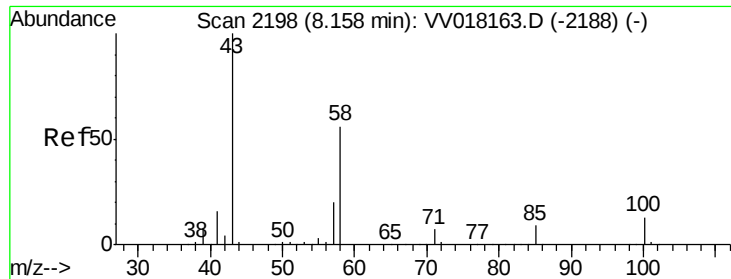
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

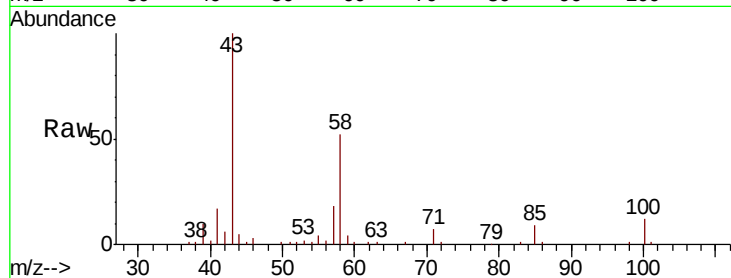




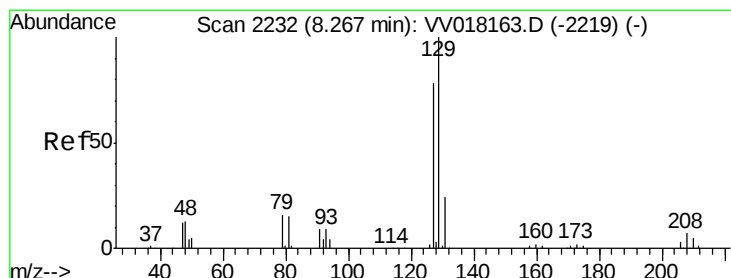
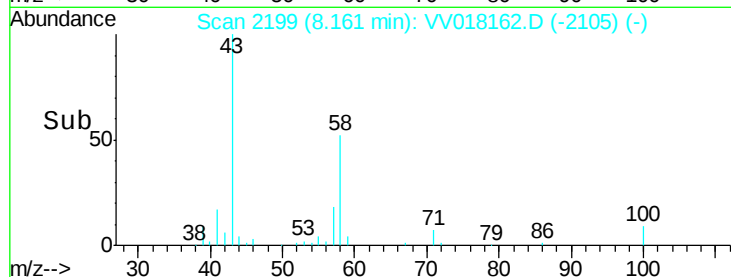
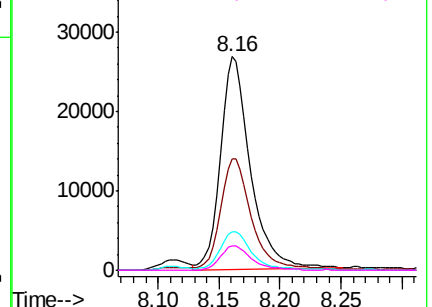
#48
2-Hexanone
Concen: 16.796 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VV018162.D
Acq: 09 Sep 2020 10:36

Instrument :
MSVOA_V
ClientSampleId :
VSTD01065

Tot Ion: 43 Resp: 46357
Ion Ratio Lower Upper
43 100
58 52.8 44.8 67.2
57 18.0 15.8 23.6
100 11.8 10.2 15.4

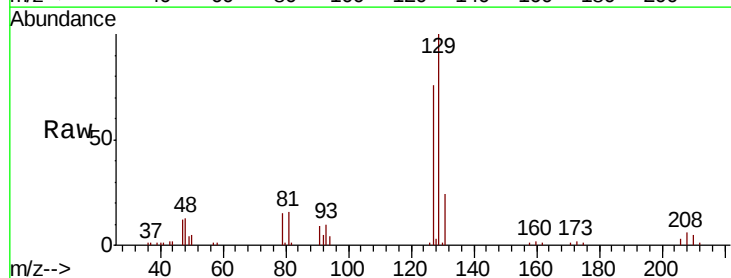


Abundance Ion 43.00 (42.70 to 43.70): VV018162.D (-2105) (-)
Ion 58.00 (57.70 to 58.70): VV018162.D (-2105) (-)
Ion 57.00 (56.70 to 57.70): VV018162.D (-2105) (-)
Ion 100.00 (99.70 to 100.70): VV018162.D (-2105) (-)

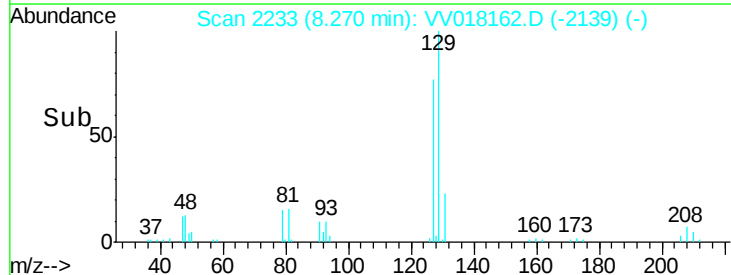
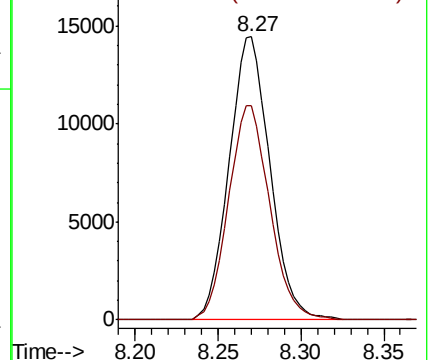


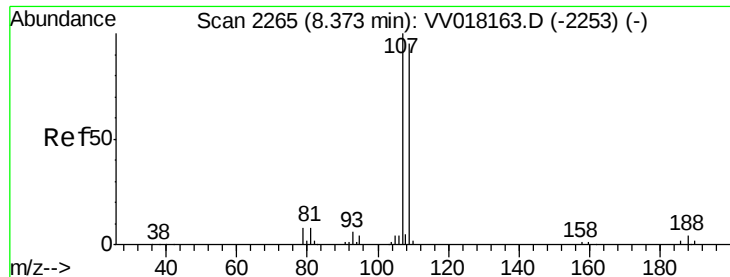
#49
Dibromochloromethane
Concen: 9.977 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV018162.D
Acq: 09 Sep 2020 10:36

Tgt Ion: 129 Resp: 24777
Ion Ratio Lower Upper
129 100
127 75.6 54.5 101.1



Abundance Ion 129.00 (128.70 to 129.70): VV018162.D (-2139) (-)
Ion 127.00 (126.70 to 127.70): VV018162.D (-2139) (-)

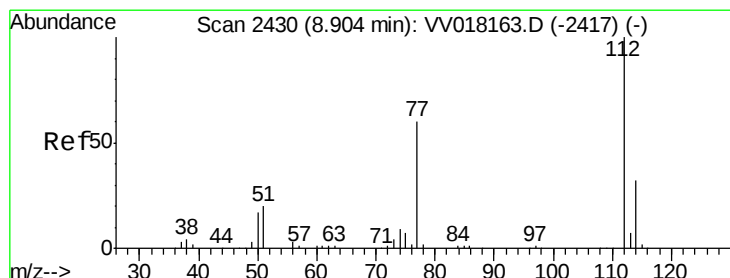
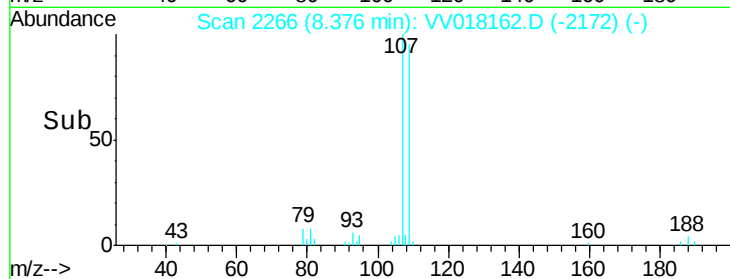
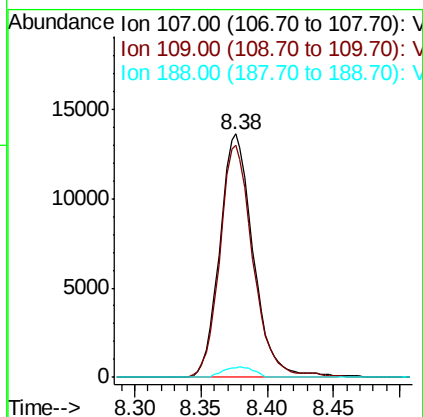
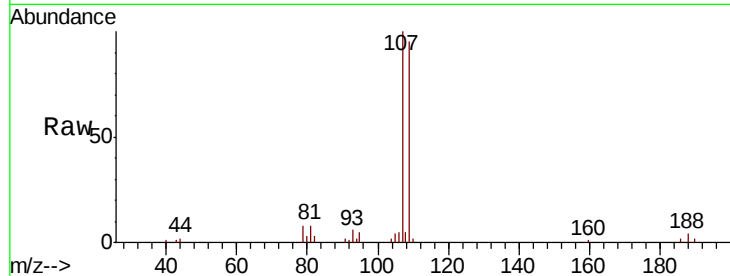




#50
1,2-Dibromoethane
Concen: 9.248 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.00 min
Lab File: VV018162.D
Acq: 09 Sep 2020 10:36

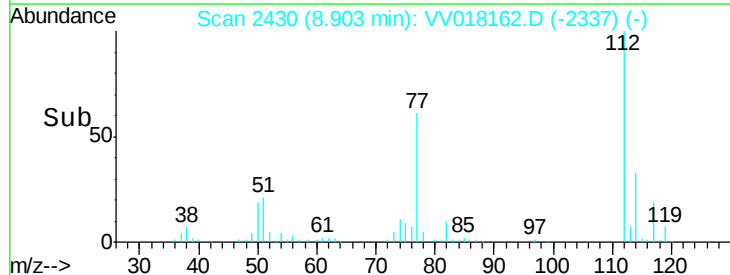
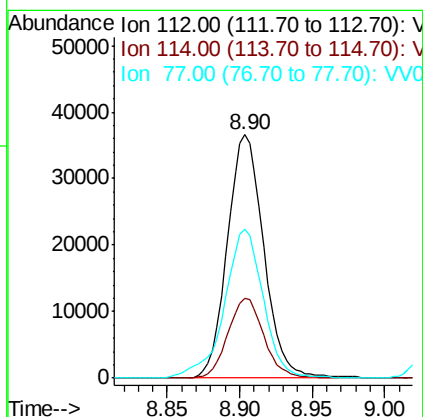
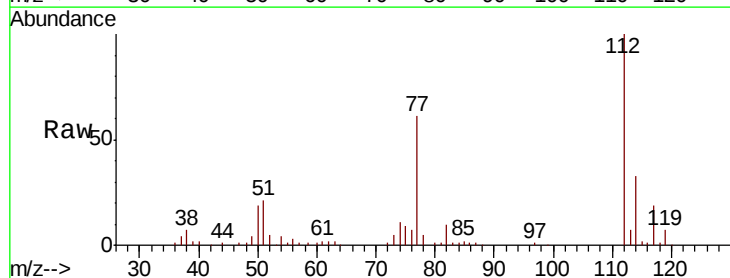
Instrument :
MSVOA_V
ClientSampleId :
VSTD01065

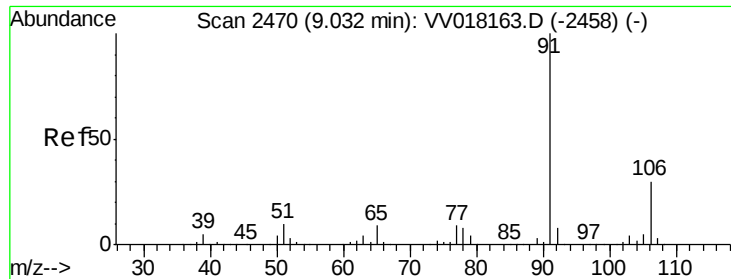
Tot Ion:107 Resp: 23876
Ion Ratio Lower Upper
107 100
109 95.1 66.1 122.8
188 4.0 3.2 4.8



#51
Chlorobenzene
Concen: 9.560 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV018162.D
Acq: 09 Sep 2020 10:36

Tgt Ion:112 Resp: 63856
Ion Ratio Lower Upper
112 100
114 32.8 22.6 42.0
77 61.4 48.0 72.0





#52

Ethylbenzene

Concen: 9.183 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV018162.D

Acq: 09 Sep 2020 10:36

Instrument :

MSVOA_V

ClientSampleId :

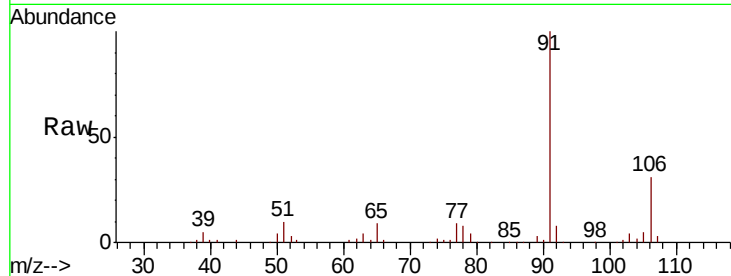
VSTD01065

Tot Ion: 91 Resp: 103719

Ion Ratio Lower Upper

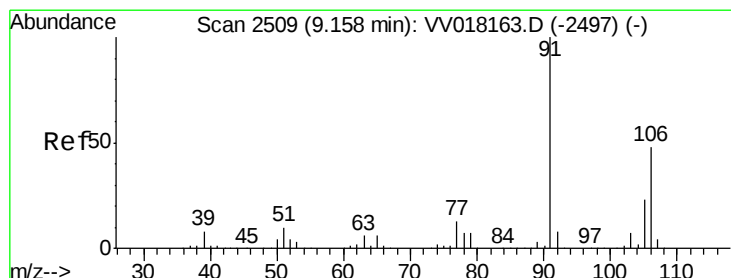
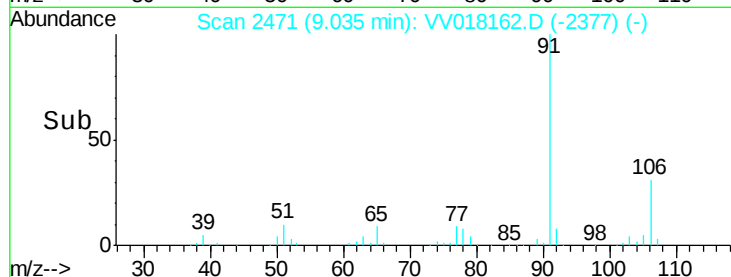
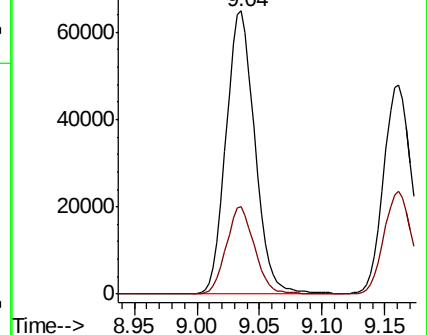
91 100

106 30.8 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VV018162.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV018162.D (-2377) (-)



#53

m,p-Xylene

Concen: 9.236 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV018162.D

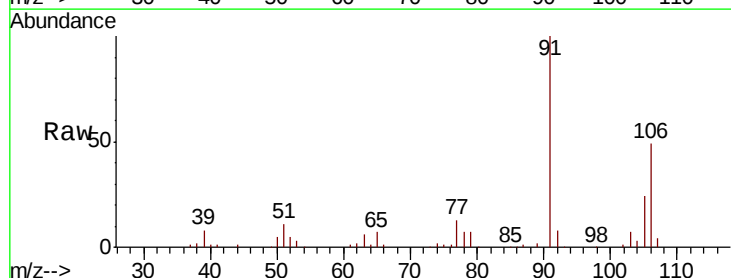
Acq: 09 Sep 2020 10:36

Tgt Ion: 106 Resp: 38451

Ion Ratio Lower Upper

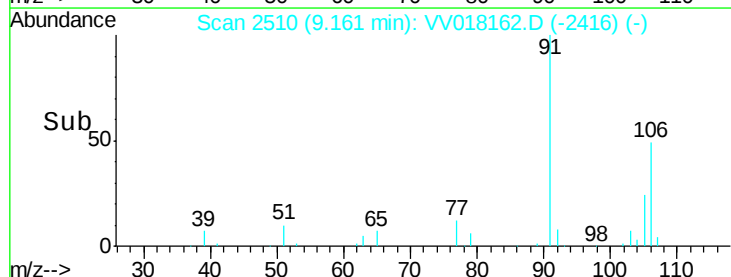
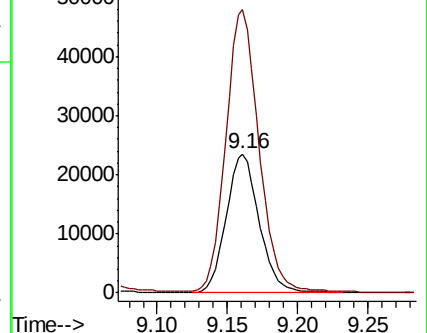
106 100

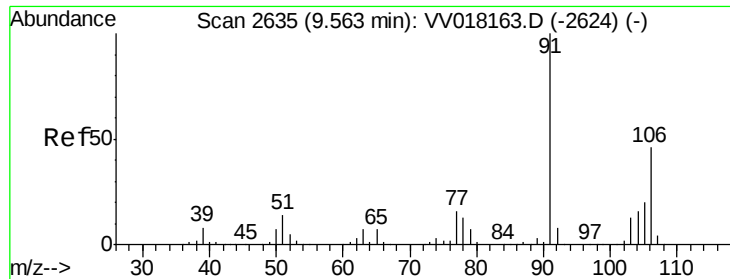
91 203.6 146.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): VV018162.D (-2416) (-)

Ion 91.00 (90.70 to 91.70): VV018162.D (-2416) (-)





#54

o-xylene

Concen: 8.953 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV018162.D

Acq: 09 Sep 2020 10:36

Instrument :

MSVOA_V

ClientSampleId :

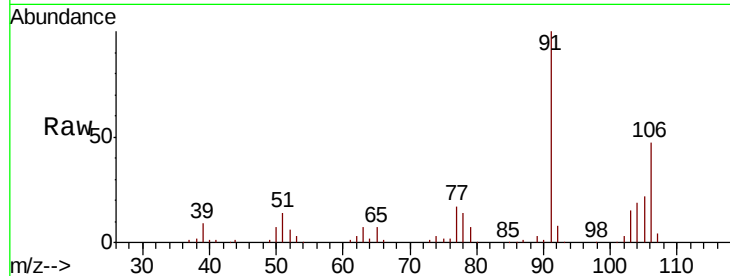
VSTD01065

Tot Ion:106 Resp: 36800

Ion Ratio Lower Upper

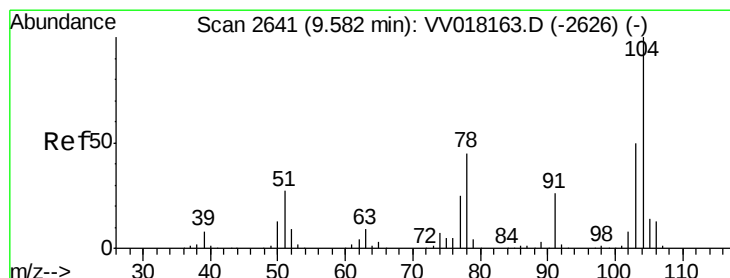
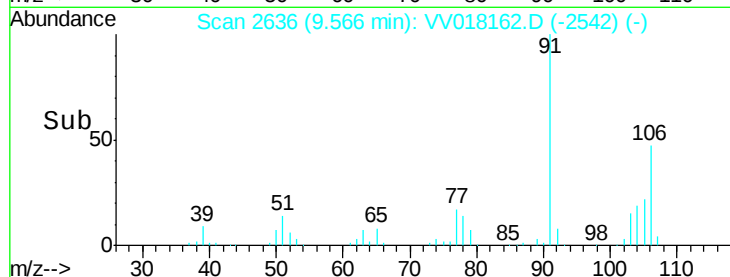
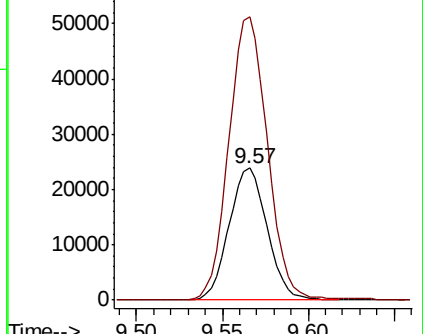
106 100

91 214.7 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 8.880 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV018162.D

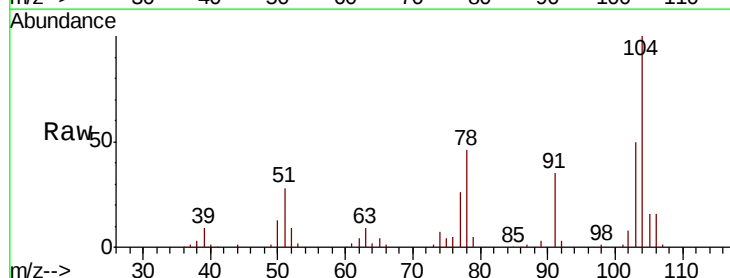
Acq: 09 Sep 2020 10:36

Tgt Ion:104 Resp: 62367

Ion Ratio Lower Upper

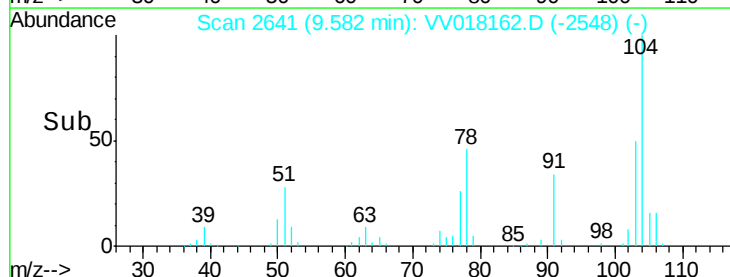
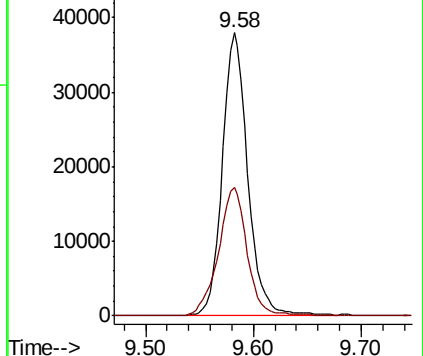
104 100

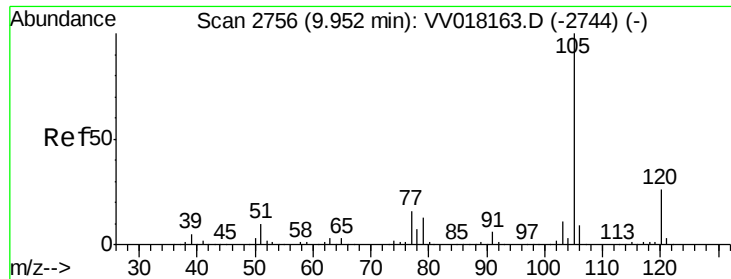
78 45.6 31.4 58.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 9.170 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018162.D

Acq: 09 Sep 2020 10:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD01065

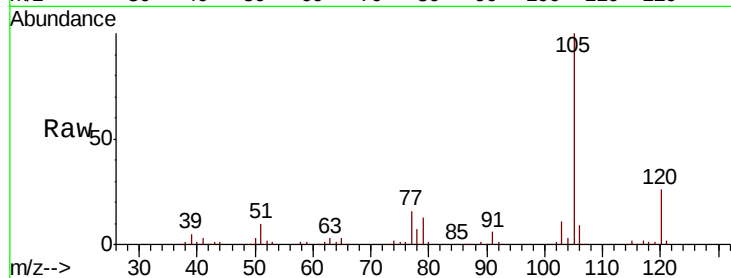
Tot Ion:105 Resp: 99757

Ion Ratio Lower Upper

105 100

120 25.9 20.9 31.3

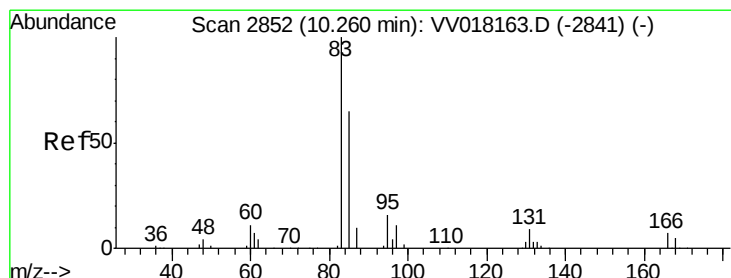
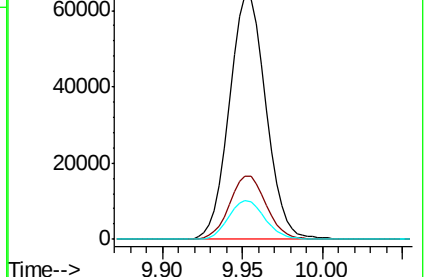
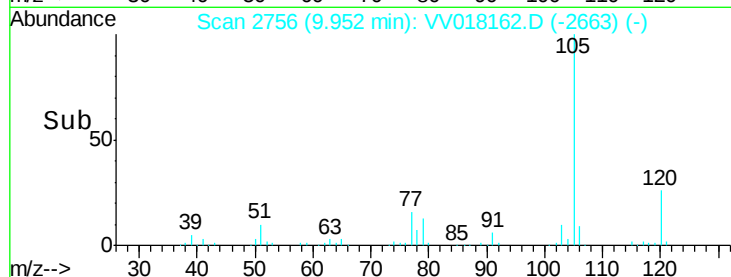
77 15.9 12.5 18.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 8.341 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV018162.D

Acq: 09 Sep 2020 10:36

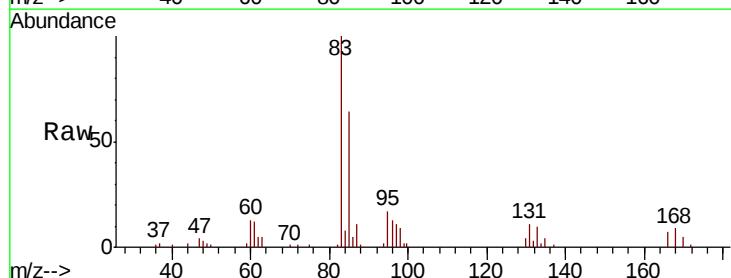
Tgt Ion: 83 Resp: 31914

Ion Ratio Lower Upper

83 100

85 63.5 45.8 85.2

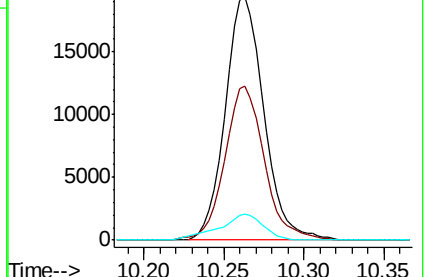
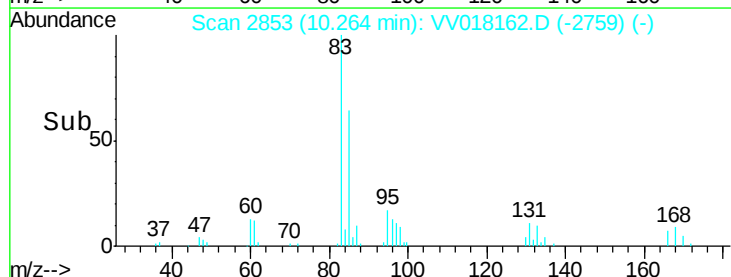
131 10.6 8.0 12.0

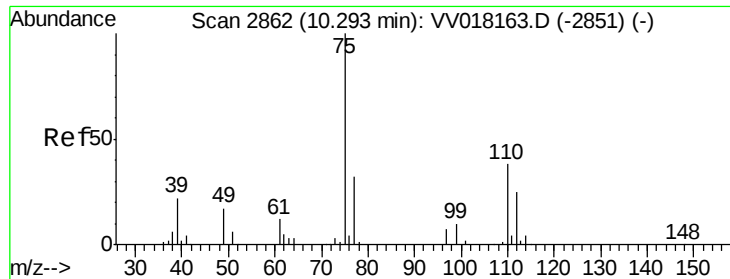


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 8.764 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV018162.D

Acq: 09 Sep 2020 10:36

Instrument :

MSVOA_V

ClientSampleId :

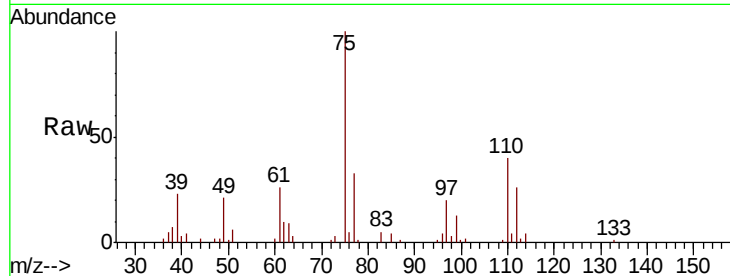
VSTD01065

Tot Ion: 75 Resp: 28698

Ion Ratio Lower Upper

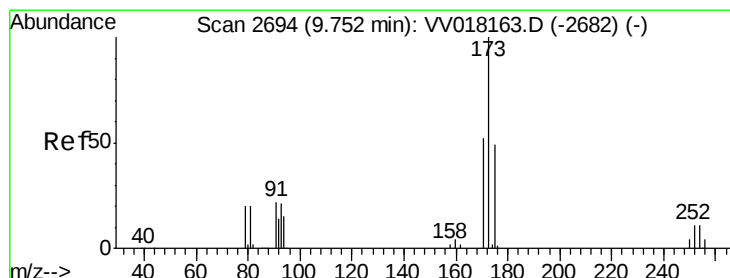
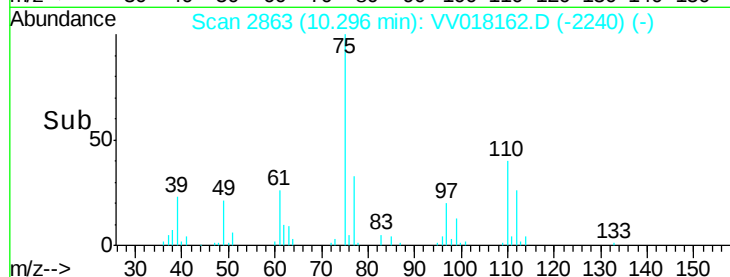
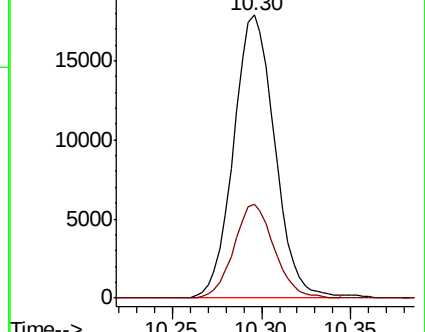
75 100

77 32.5 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VV018163.D (-2851) (-)

Ion 77.00 (76.70 to 77.70): VV018163.D (-2851) (-)



#61

Bromoform

Concen: 10.601 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV018162.D

Acq: 09 Sep 2020 10:36

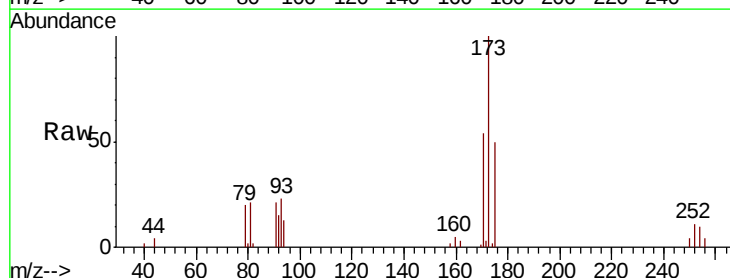
Tgt Ion: 173 Resp: 17798

Ion Ratio Lower Upper

173 100

175 48.5 39.0 58.6

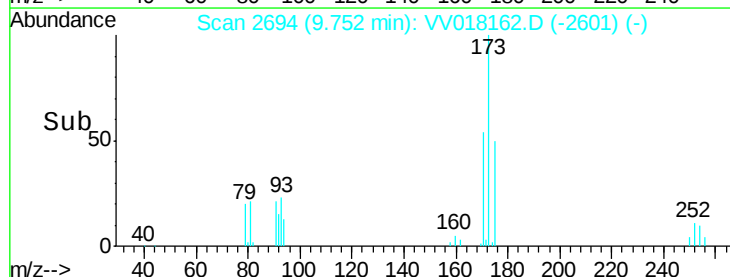
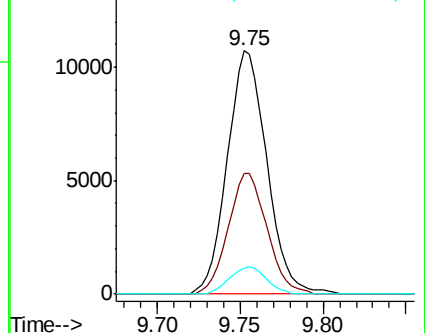
254 10.4 9.0 13.4

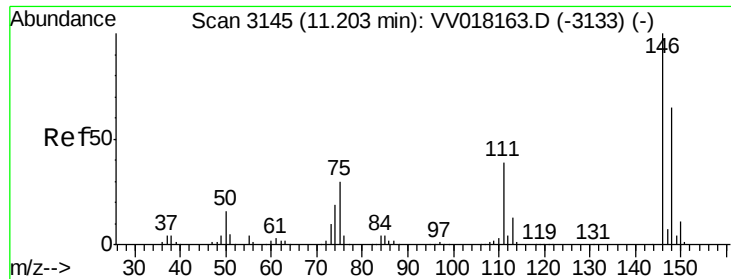


Abundance Ion 173.00 (172.70 to 173.70): VV018163.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV018163.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV018163.D (-2682) (-)





#62

1,3-Dichlorobenzene

Concen: 9.447 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV018162.D

Acq: 09 Sep 2020 10:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD01065

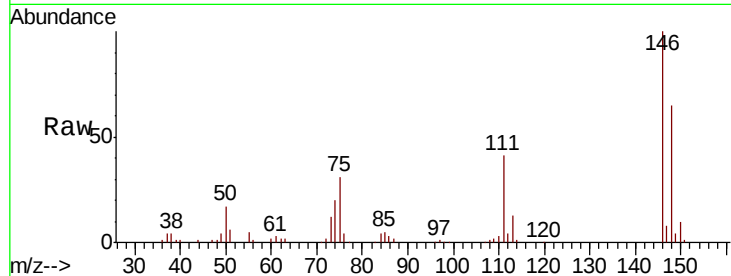
Tot Ion:146 Resp: 51475

Ion Ratio Lower Upper

146 100

111 41.1 27.6 51.2

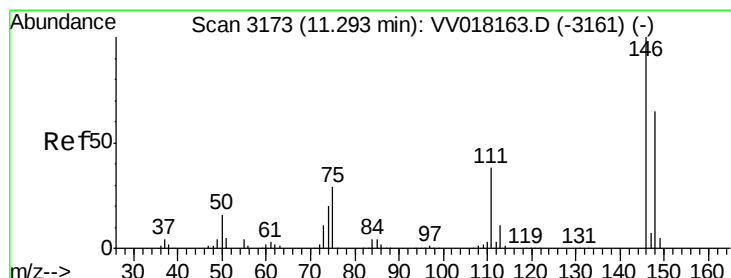
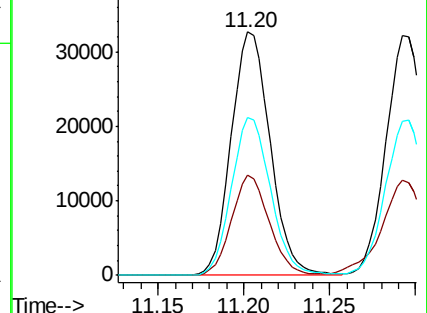
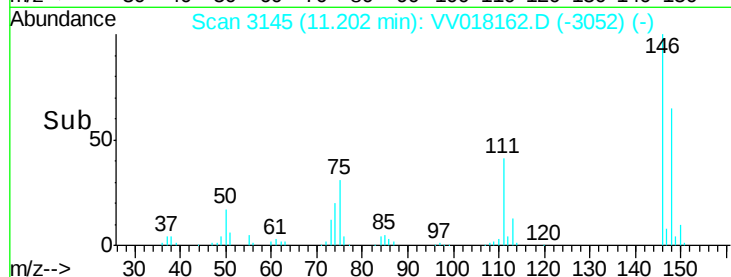
148 64.6 45.4 84.2



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: 9.415 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV018162.D

Acq: 09 Sep 2020 10:36

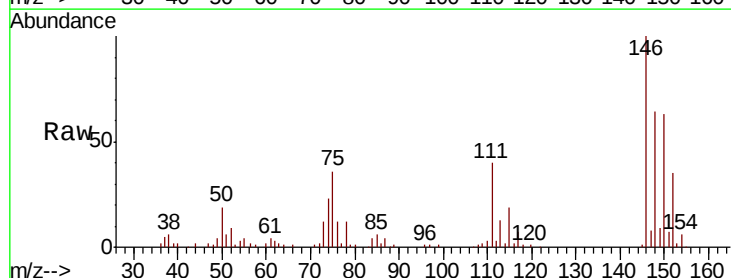
Tgt Ion:146 Resp: 52715

Ion Ratio Lower Upper

146 100

111 39.7 27.1 50.3

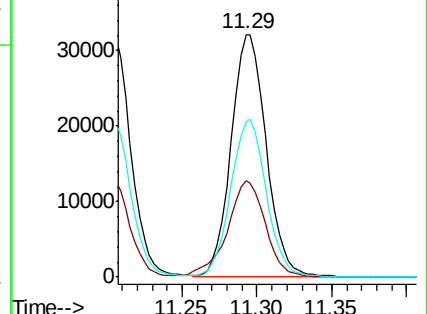
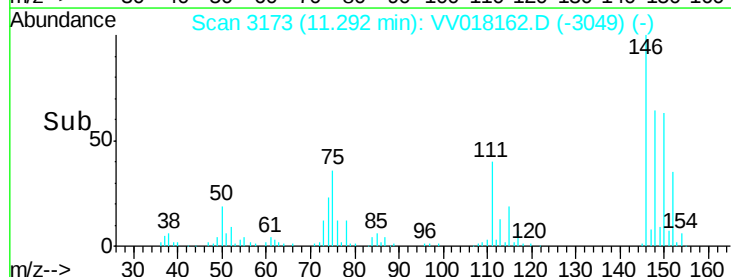
148 64.3 45.4 84.2

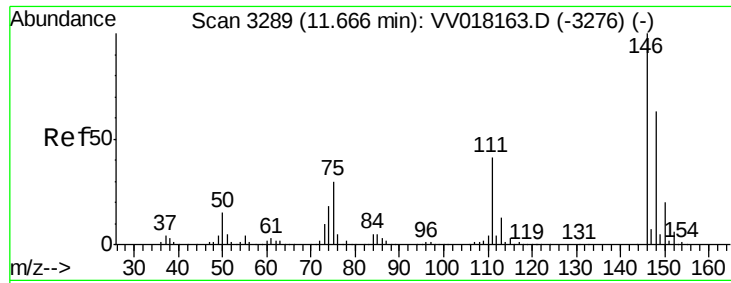


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

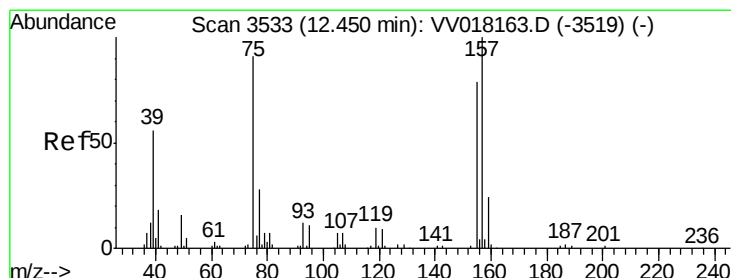
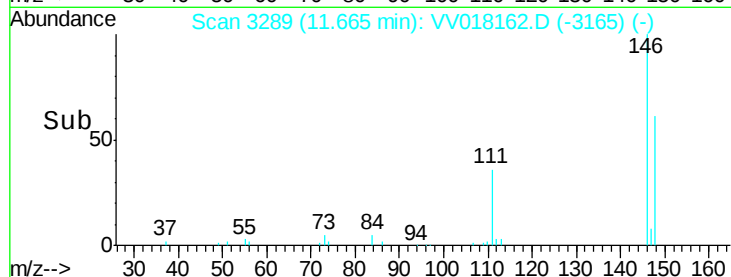
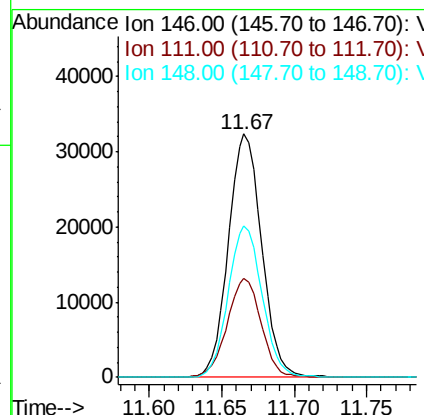
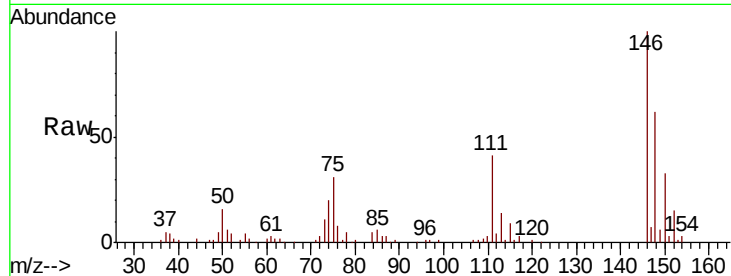




#65
 1,2-Dichlorobenzene
 Concen: 9.276 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV018162.D
 Acq: 09 Sep 2020 10:36

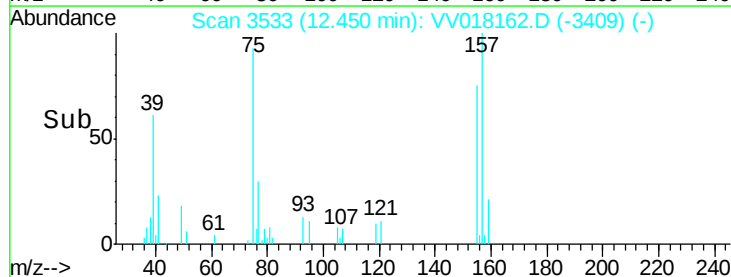
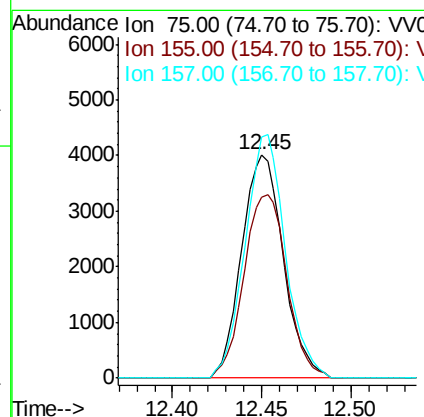
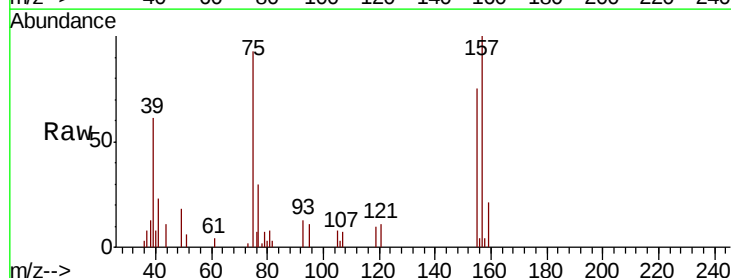
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01065

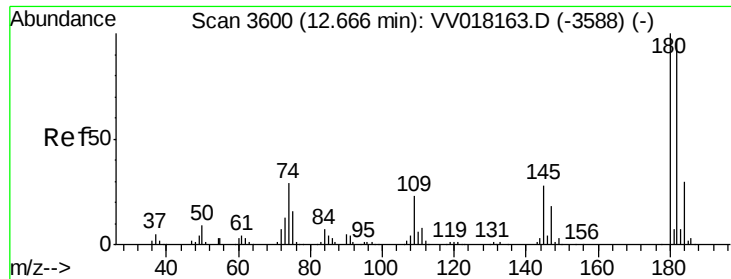
Tot Ion:146 Resp: 51726
 Ion Ratio Lower Upper
 146 100
 111 40.6 32.8 49.2
 148 62.2 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 8.136 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV018162.D
 Acq: 09 Sep 2020 10:36

Tgt Ion: 75 Resp: 6527
 Ion Ratio Lower Upper
 75 100
 155 81.1 69.7 104.5
 157 107.8 88.2 132.4

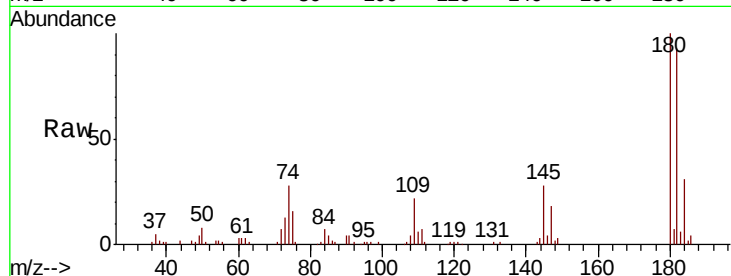




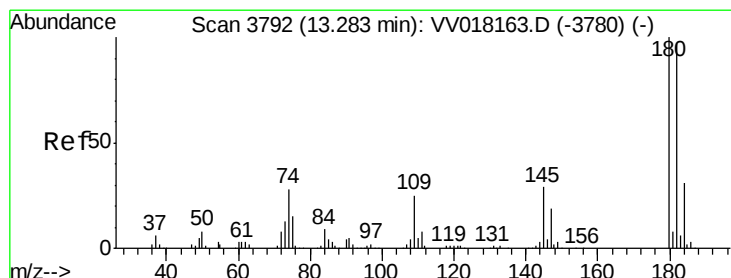
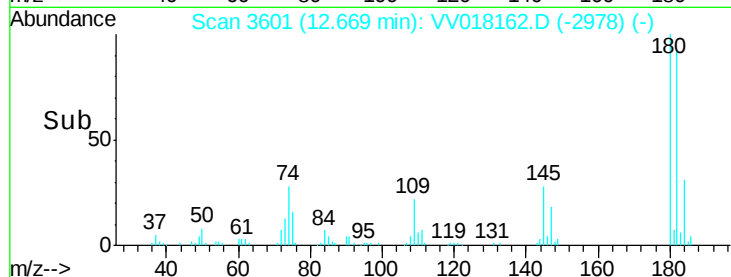
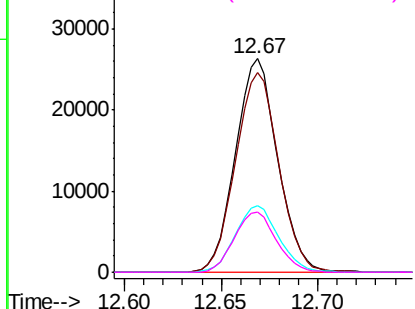
#67
 1,3,5-Trichlorobenzene
 Concen: 9.543 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV018162.D
 Acq: 09 Sep 2020 10:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01065

Tot Ion:180 Resp: 39849
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.8 115.2
 184 31.9 24.6 36.8
 145 28.1 22.7 34.1

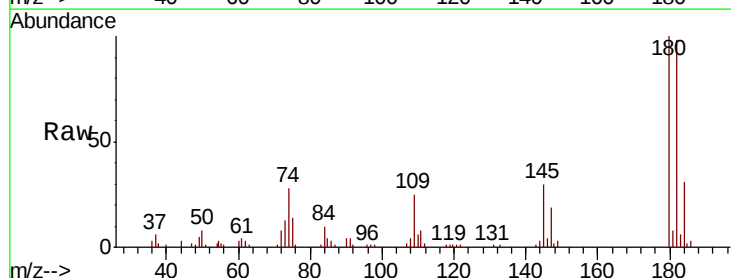


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

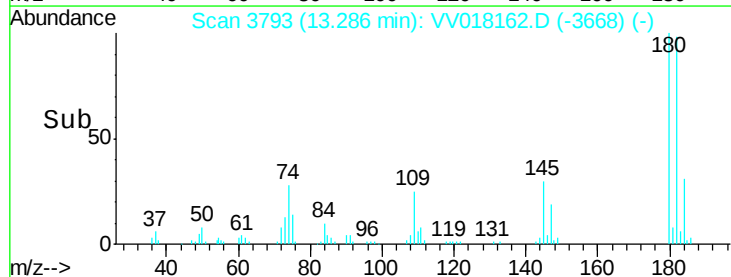
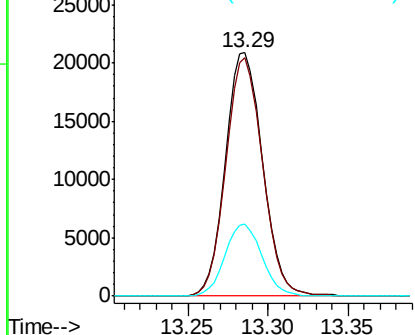


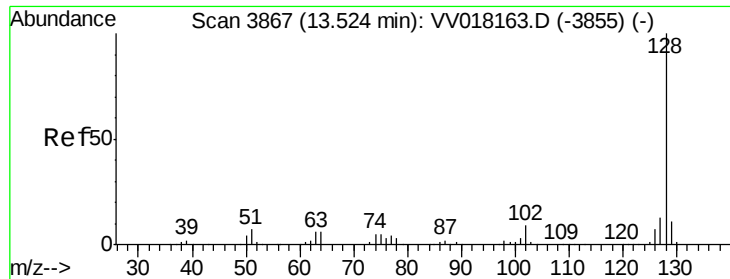
#68
 1,2,4-trichlorobenzene
 Concen: 9.032 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV018162.D
 Acq: 09 Sep 2020 10:36

Tgt Ion:180 Resp: 33153
 Ion Ratio Lower Upper
 180 100
 182 96.3 77.4 116.2
 145 29.4 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: 7.460 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV018162.D

Acq: 09 Sep 2020 10:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD01065

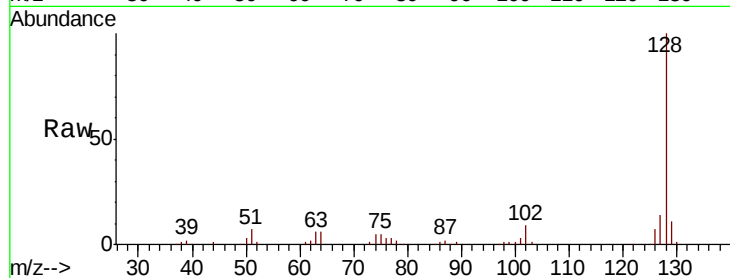
Tot Ion:128 Resp: 73746

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

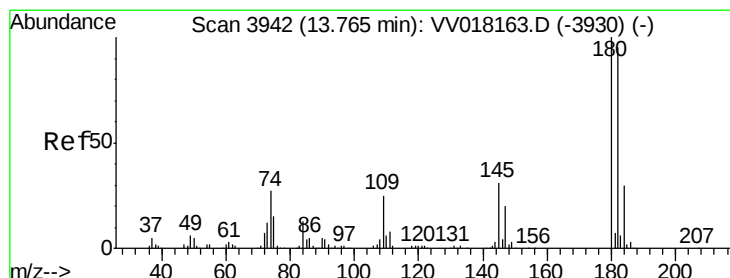
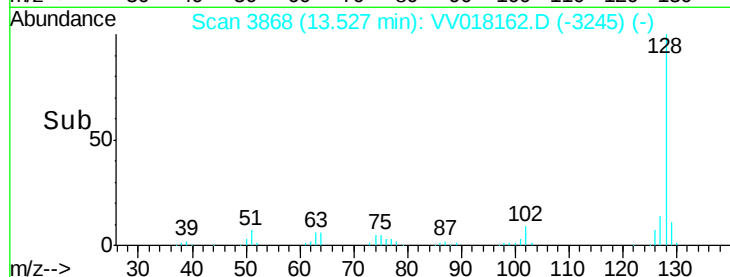
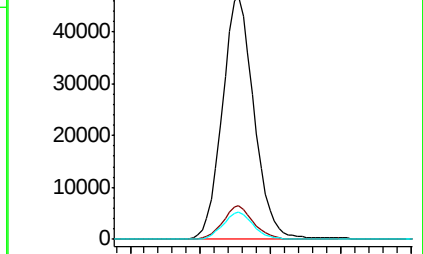
129 10.7 8.6 13.0



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: 9.006 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV018162.D

Acq: 09 Sep 2020 10:36

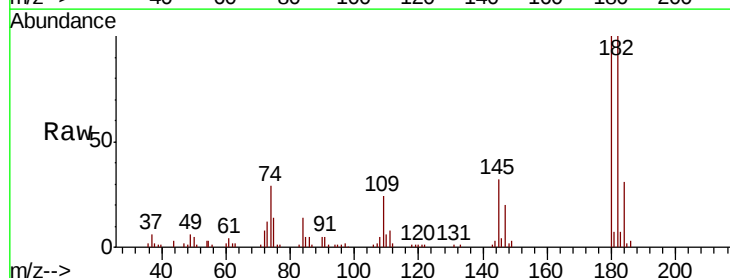
Tgt Ion:180 Resp: 33416

Ion Ratio Lower Upper

180 100

182 96.7 76.5 114.7

145 31.3 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

