

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082120\
 Data File : VV018076.D
 Acq On : 21 Aug 2020 15:52
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

Quant Time: Aug 22 00:07:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 22 00:05:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	279105	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	273535	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	151509	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	104730	49.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.36%
7) Chloroethane-d5	1.58	69	87822	50.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.82%
11) 1,1-Dichloroethene-d2	2.12	63	200343	49.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.36%
21) 2-Butanone-d5	3.90	46	128957	92.46	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.46%
24) Chloroform-d	4.37	84	192834	49.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.48%
26) 1,2-Dichloroethane-d4	5.05	65	123033	48.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.72%
32) Benzene-d6	5.07	84	376216	49.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.82%
36) 1,2-Dichloropropane-d6	6.09	67	120496	48.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.78%
41) Toluene-d8	7.33	98	346453	51.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.20%
43) trans-1,3-Dichloropropene-	7.64	79	59410	53.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.30%
47) 2-Hexanone-d5	8.10	63	74494	94.19	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.19%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	151702	47.27	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.54%
64) 1,2-Dichlorobenzene-d4	11.65	152	141997	47.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.24%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	96126	44.610	ug/L 99
3) Chloromethane	1.25	50	109199	43.626	ug/L 99
5) Vinyl chloride	1.32	62	115170	46.439	ug/L 99
6) Bromomethane	1.53	94	67449	45.505	ug/L 100
8) Chloroethane	1.60	64	74182	46.865	ug/L 100
9) Trichlorofluoromethane	1.77	101	165592	46.743	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	97342	49.211	ug/L 99
12) 1,1-Dichloroethene	2.13	96	90328	48.246	ug/L 97
13) Acetone	2.19	43	157744	109.497	ug/L 100
14) Carbon disulfide	2.31	76	240457	46.664	ug/L 100
15) Methyl Acetate	2.44	43	107410	46.200	ug/L 98
16) Methylene chloride	2.52	84	107381	45.020	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	93522	48.595	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	316082	49.661	ug/L 100
19) 1,1-Dichloroethane	3.21	63	187099	48.349	ug/L 99
20) cis-1,2-Dichloroethene	3.93	96	104459	49.392	ug/L 99
22) 2-Butanone	3.98	43	168882	104.496	ug/L 100

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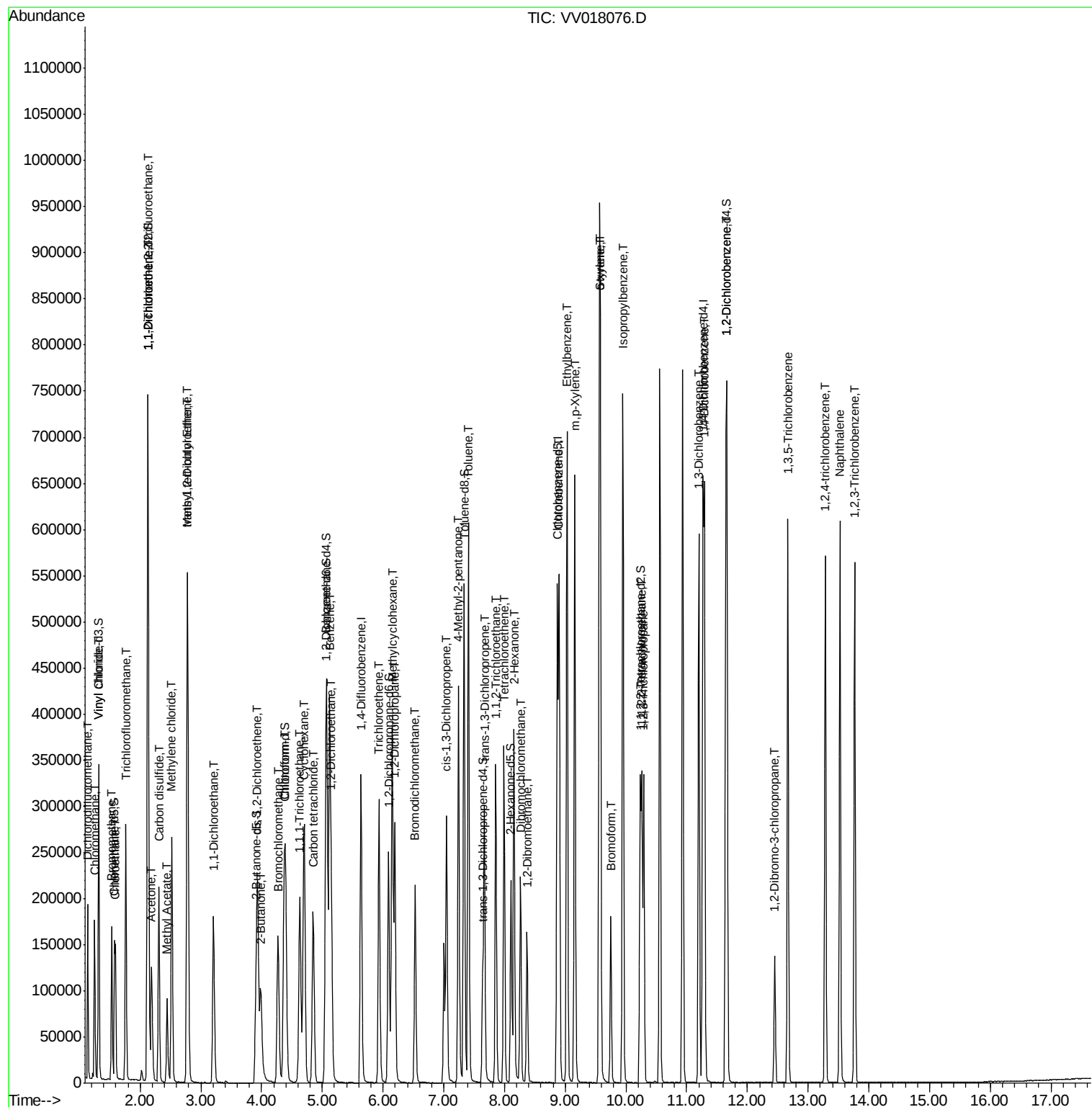
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	54094	48.962	ug/L	98
25) Chloroform	4.40	83	191763	48.584	ug/L	99
27) 1,2-Dichloroethane	5.15	62	150606	47.938	ug/L	99
29) Cyclohexane	4.70	56	157056	47.573	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	162824	48.575	ug/L	98
31) Carbon tetrachloride	4.85	117	140092	50.204	ug/L	100
33) Benzene	5.12	78	406832	48.073	ug/L	100
34) Trichloroethene	5.93	95	106688	47.694	ug/L	99
35) Methylcyclohexane	6.15	83	158584	47.676	ug/L	99
37) 1,2-Dichloropropane	6.19	63	110249	47.770	ug/L	100
38) Bromodichloromethane	6.53	83	144481	50.401	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	164533	50.289	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	282829	93.745	ug/L	100
42) Toluene	7.41	91	429905	48.683	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	166617	53.674	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	103730	48.533	ug/L	98
46) Tetrachloroethene	7.99	164	83056	50.627	ug/L	97
48) 2-Hexanone	8.15	43	237019	97.424	ug/L	99
49) Dibromochloromethane	8.26	129	111553	53.473	ug/L	99
50) 1,2-Dibromoethane	8.37	107	106730	48.266	ug/L	97
51) Chlorobenzene	8.90	112	277040	48.779	ug/L	99
52) Ethylbenzene	9.03	91	478728	49.719	ug/L	99
53) m,p-Xylene	9.16	106	180658	51.013	ug/L	98
54) o-xylene	9.56	106	174804	49.949	ug/L	98
55) Styrene	9.58	104	313244	52.267	ug/L	100
56) Isopropylbenzene	9.95	105	472639	51.193	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	155598	46.752	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	132420	46.459	ug/L	99
61) Bromoform	9.75	173	79862	55.708	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	234219	48.614	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	238748	48.238	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	235571	47.504	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	34154	46.745	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	184434	50.393	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	170324	52.932	ug/L	99
69) Naphthalene	13.52	128	449586	50.692	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	169673	51.851	ug/L	99

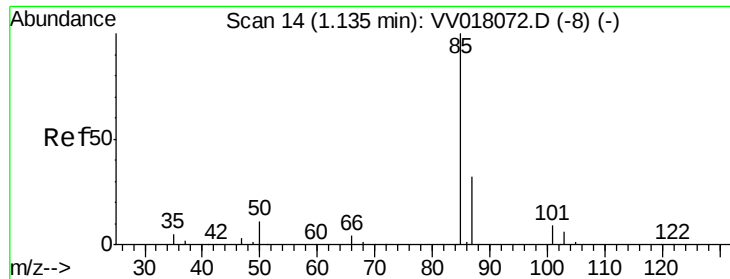
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 44.610 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV018076.D

Acq: 21 Aug 2020 15:52

Instrument :

MSVOA_V

ClientSampleId :

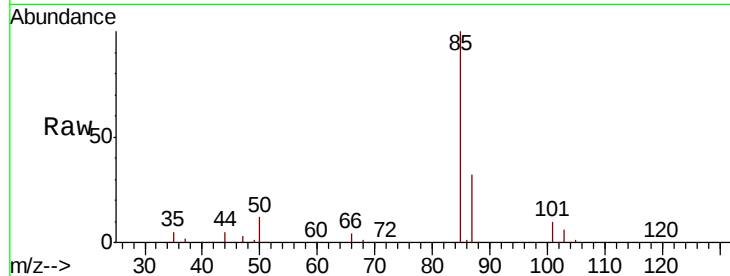
VSTD05080

Tot Ion: 85 Resp: 96126

Ion Ratio Lower Upper

85 100

87 32.1 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV018072.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV018072.D (-8) (-)

1.14

100000

80000

60000

40000

20000

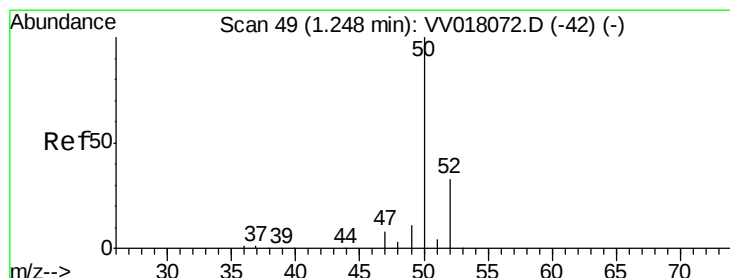
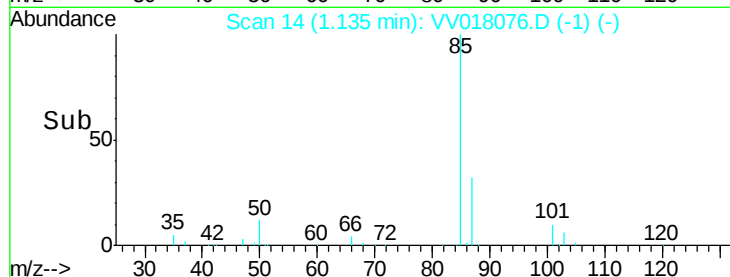
0

1.10

1.15

1.20

Time-->



#3

Chloromethane

Concen: 43.626 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV018076.D

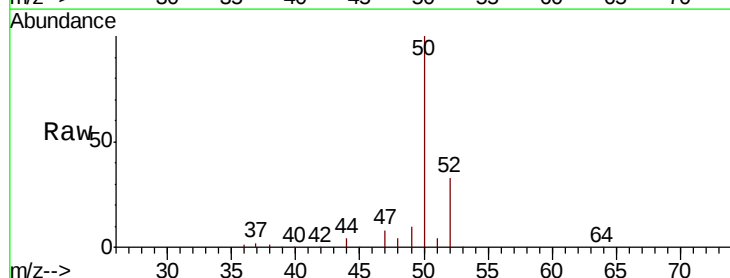
Acq: 21 Aug 2020 15:52

Tgt Ion: 50 Resp: 109199

Ion Ratio Lower Upper

50 100

52 32.8 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV018072.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV018072.D (-42) (-)

1.25

120000

100000

80000

60000

40000

20000

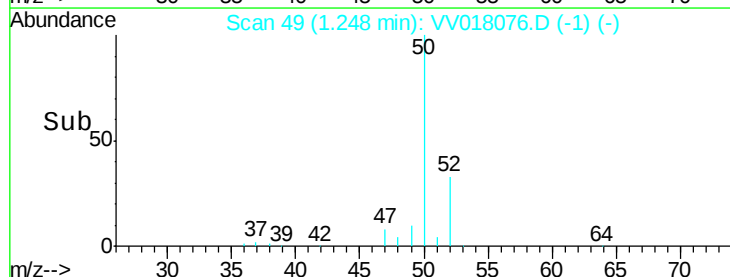
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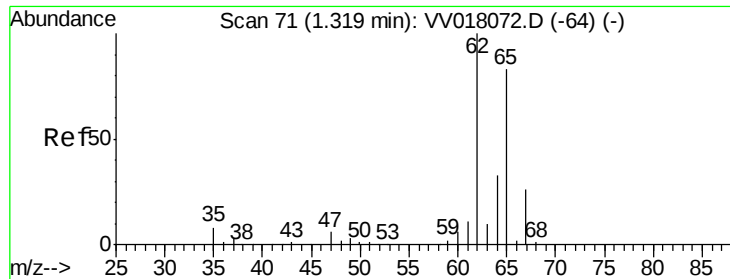
1.20

1.25

1.30

Time-->





#5

Vinyl chloride

Concen: 46.439 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018076.D

Acq: 21 Aug 2020 15:52

Instrument :

MSVOA_V

ClientSampleId :

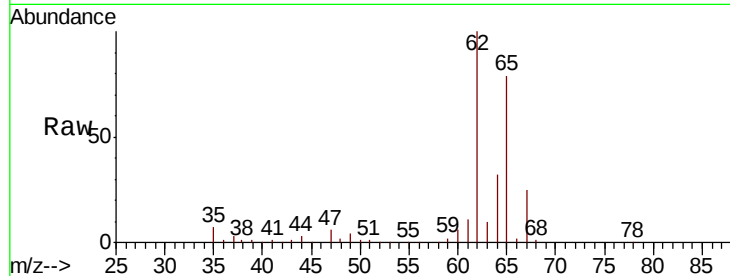
VSTD05080

Tot Ion: 62 Resp: 115170

Ion Ratio Lower Upper

62 100

64 32.4 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

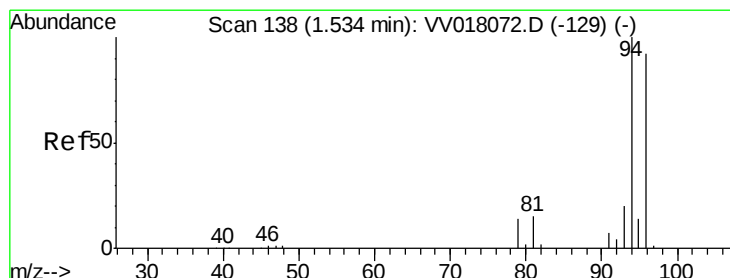
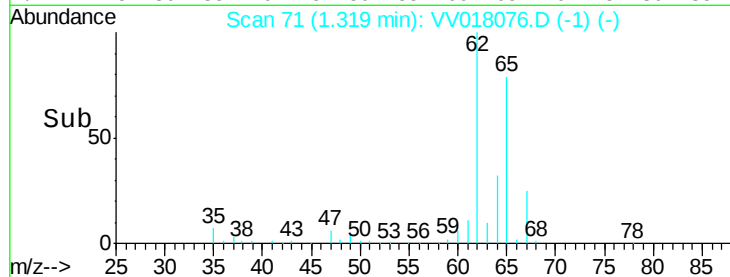
1.32

100000

50000

0

Time-->



#6

Bromomethane

Concen: 45.505 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV018076.D

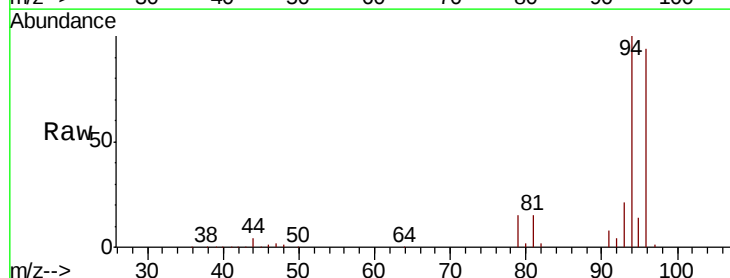
Acq: 21 Aug 2020 15:52

Tgt Ion: 94 Resp: 67449

Ion Ratio Lower Upper

94 100

96 93.8 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

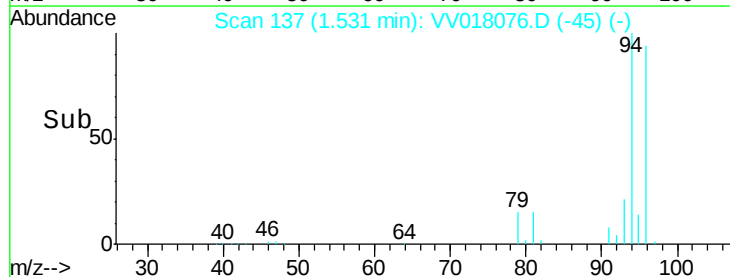
60000

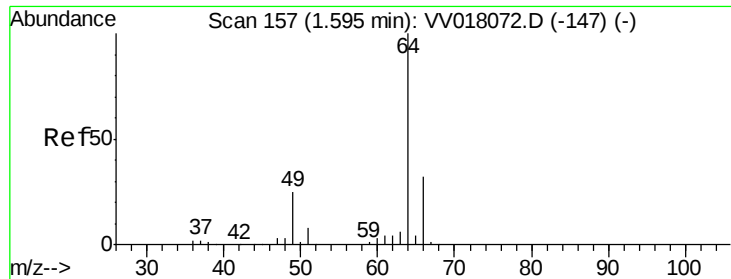
40000

20000

0

Time-->





#8

Chloroethane

Concen: 46.865 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV018076.D

Acq: 21 Aug 2020 15:52

Instrument :

MSVOA_V

ClientSampleId :

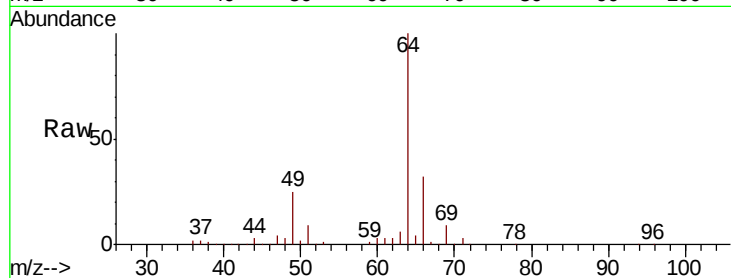
VSTD05080

Tot Ion: 64 Resp: 74182

Ion Ratio Lower Upper

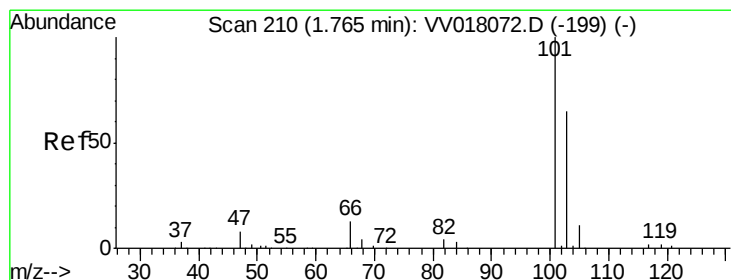
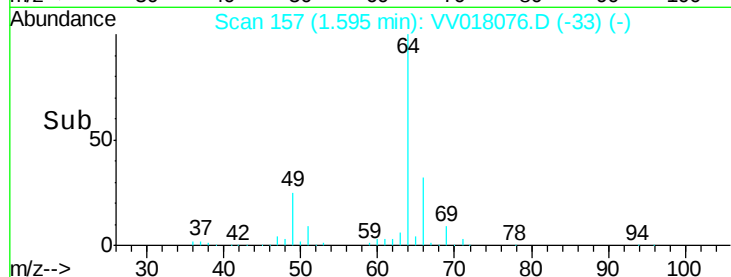
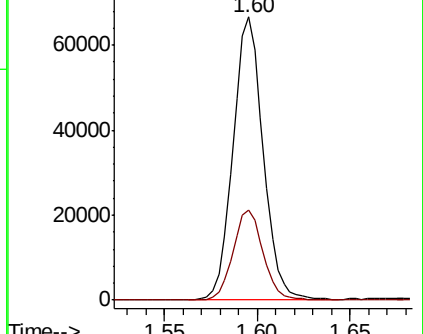
64 100

66 31.9 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV018072.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV018072.D (-147) (-)



#9

Trichlorofluoromethane

Concen: 46.743 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV018076.D

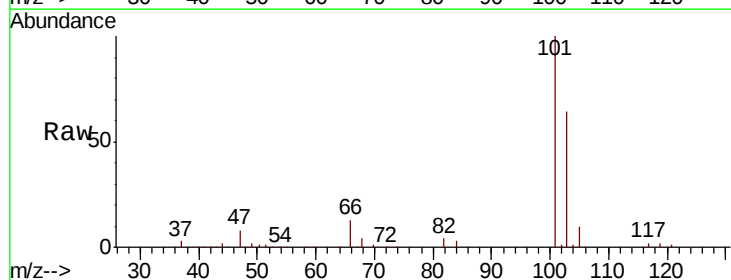
Acq: 21 Aug 2020 15:52

Tgt Ion:101 Resp: 165592

Ion Ratio Lower Upper

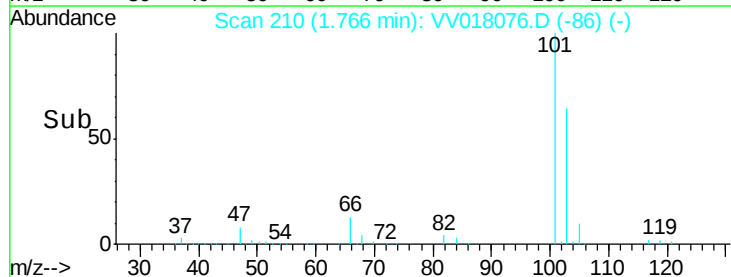
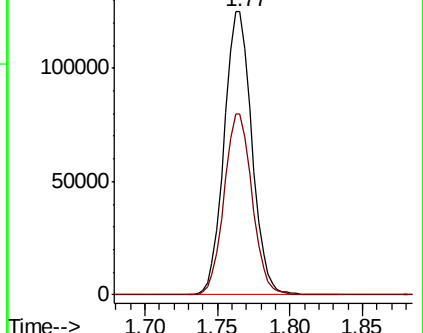
101 100

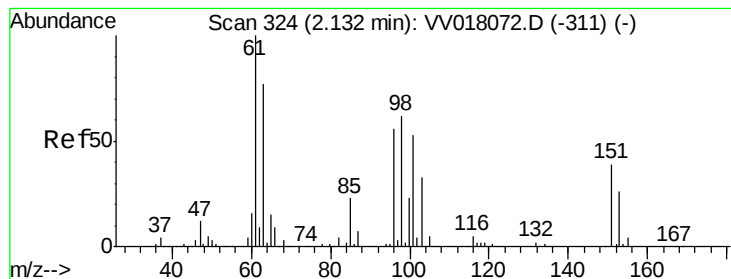
103 64.4 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV018072.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV018072.D (-199) (-)





#10

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

Concen: 49.211 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

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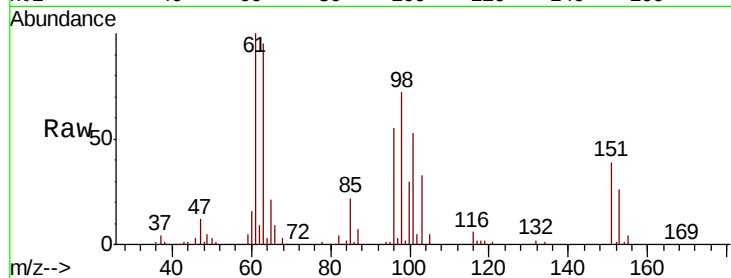
Tot Ion:101 Resp: 97342

Ion Ratio Lower Upper

101 100

85 42.6 34.9 52.3

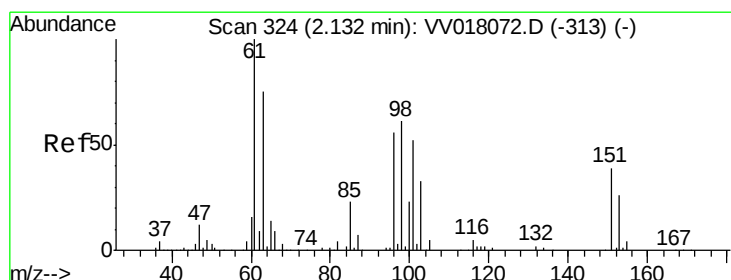
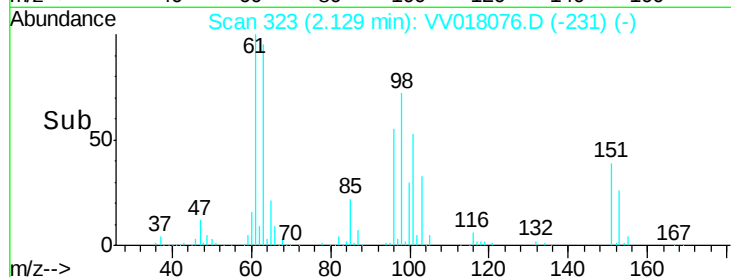
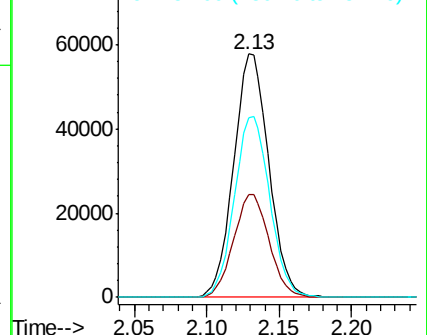
151 74.6 59.1 88.7



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: 48.246 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018076.D

Acq: 21 Aug 2020 15:52

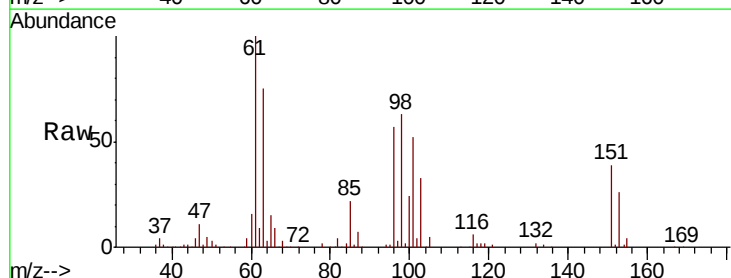
Tgt Ion: 96 Resp: 90328

Ion Ratio Lower Upper

96 100

61 176.9 127.1 236.0

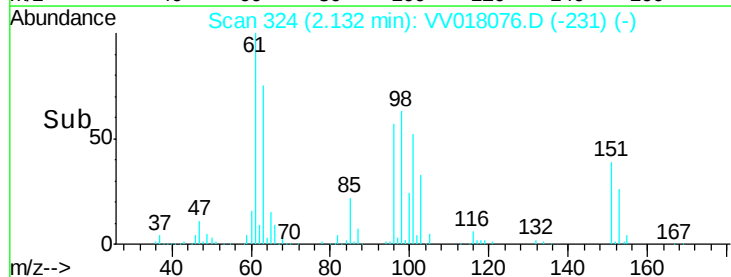
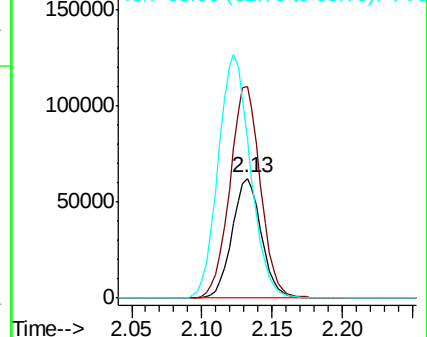
63 133.4 95.2 176.8

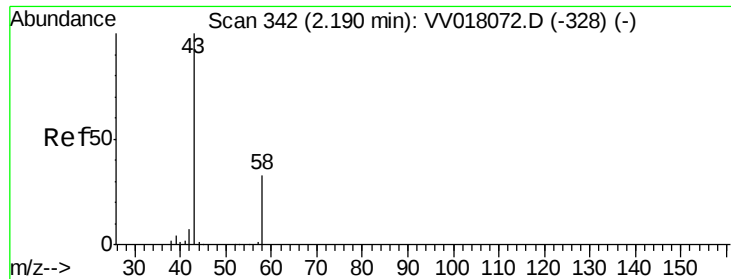


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 109.497 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV018076.D

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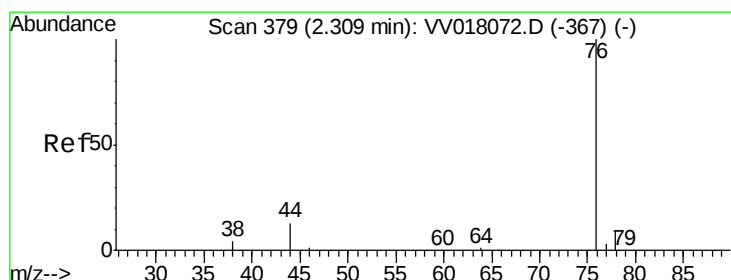
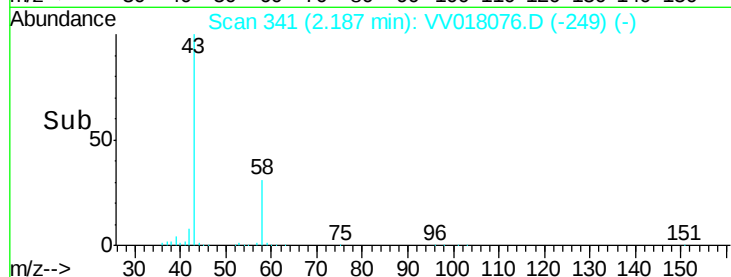
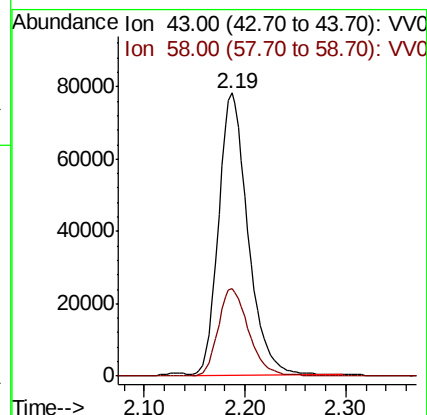
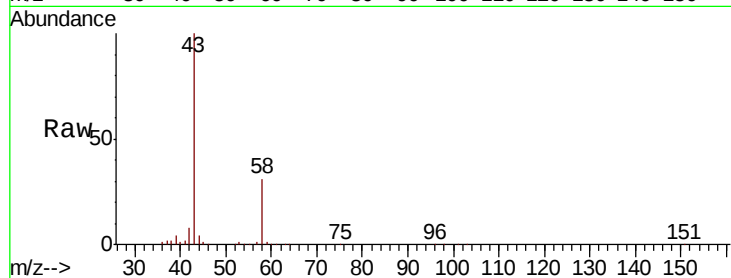
VSTD05080

Tot Ion: 43 Resp: 157744

Ion Ratio Lower Upper

43 100

58 32.0 0.0 63.6



#14

Carbon disulfide

Concen: 46.664 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV018076.D

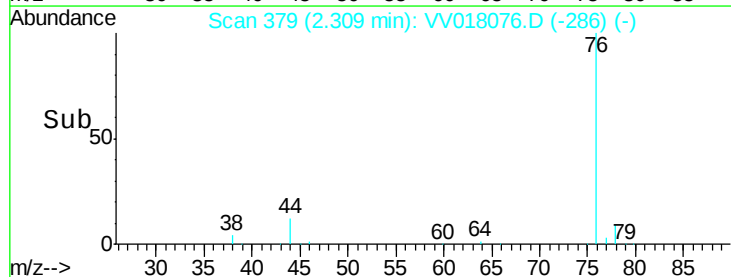
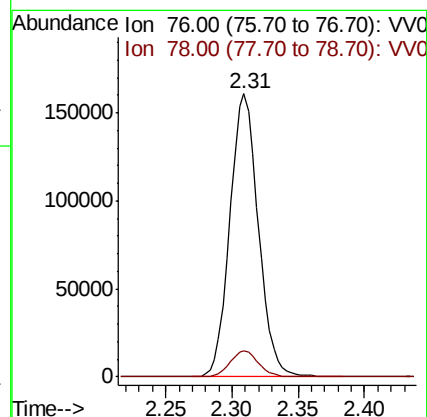
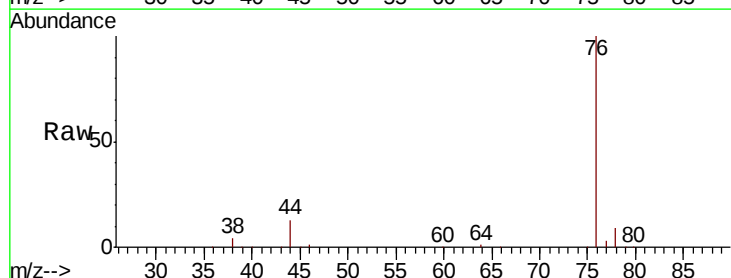
Acq: 21 Aug 2020 15:52

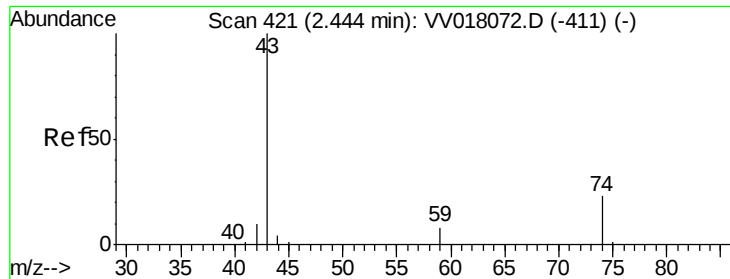
Tgt Ion: 76 Resp: 240457

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

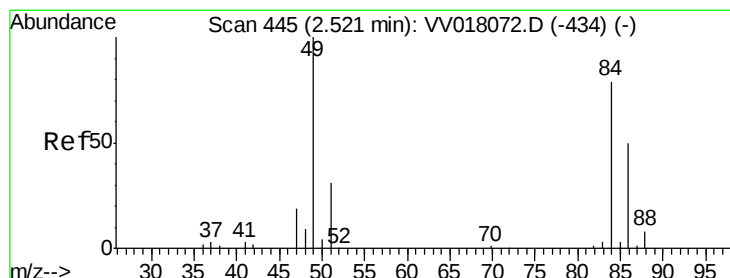
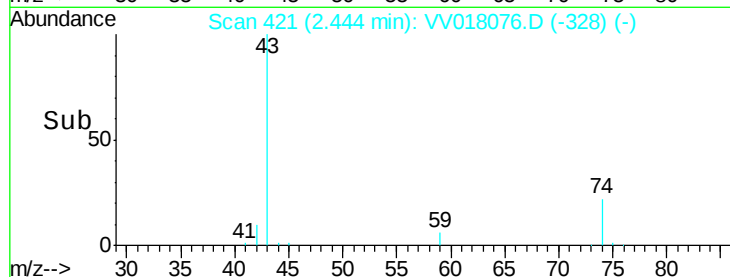
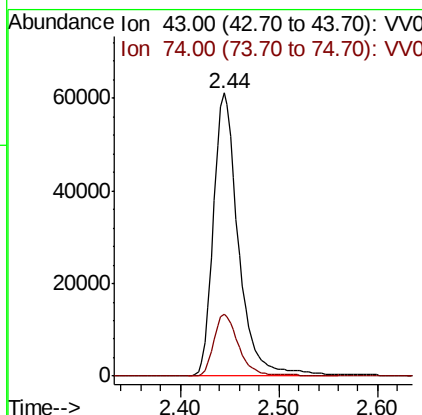
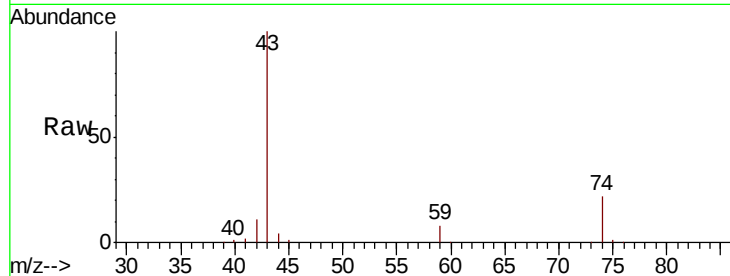




#15
Methvl Acetate
Concen: 46.200 ug/L
RT: 2.44 min Scan# 421
Delta R.T. 0.00 min
Lab File: VV018076.D
Acq: 21 Aug 2020 15:52

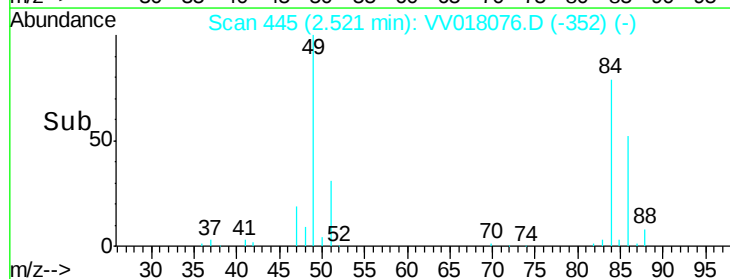
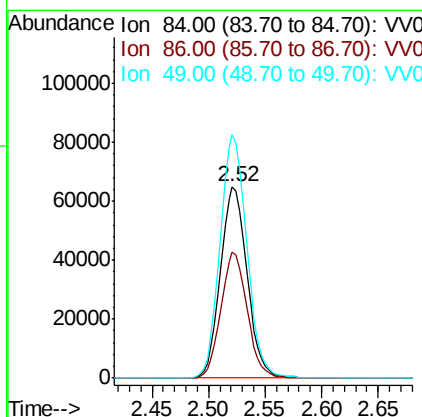
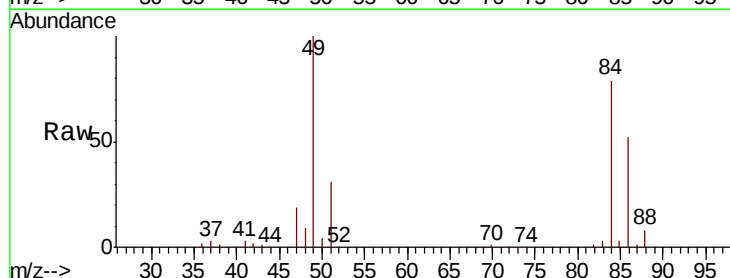
Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

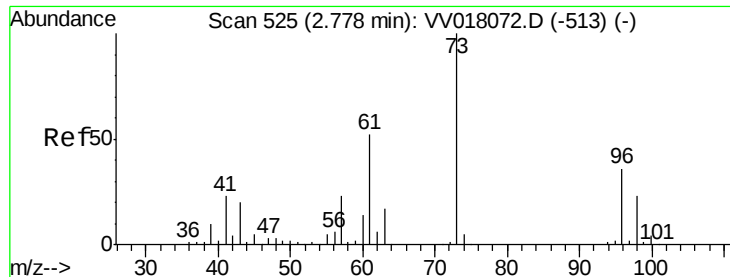
Tot Ion: 43 Resp: 107410
Ion Ratio Lower Upper
43 100
74 21.8 18.4 27.6



#16
Methylene chloride
Concen: 45.020 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV018076.D
Acq: 21 Aug 2020 15:52

Tgt Ion: 84 Resp: 107381
Ion Ratio Lower Upper
84 100
86 65.7 46.3 85.9
49 127.2 89.7 166.5





#17

trans-1,2-Dichloroethene

Concen: 48.595 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV018076.D

Acq: 21 Aug 2020 15:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

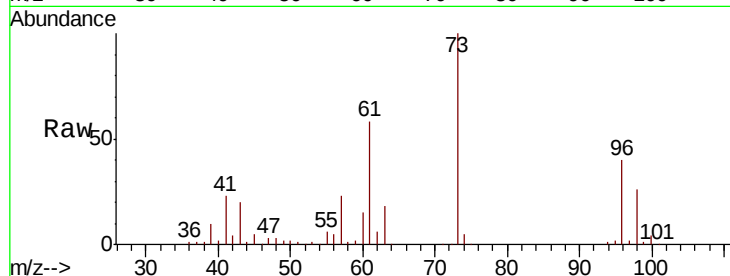
Tot Ion: 96 Resp: 93522

Ion Ratio Lower Upper

96 100

61 144.0 102.4 190.2

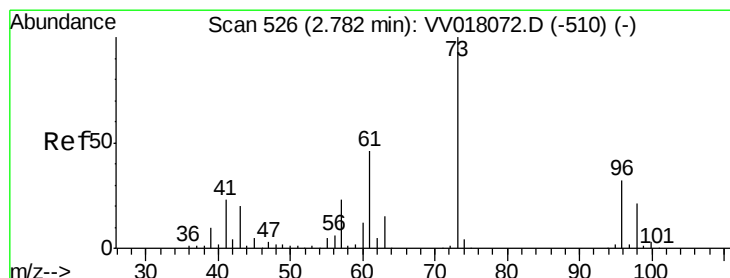
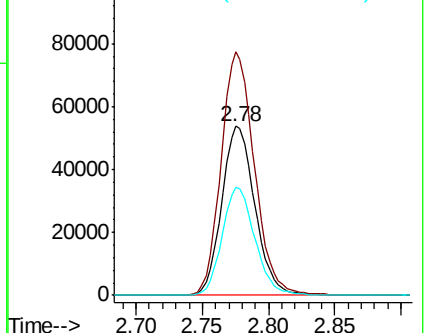
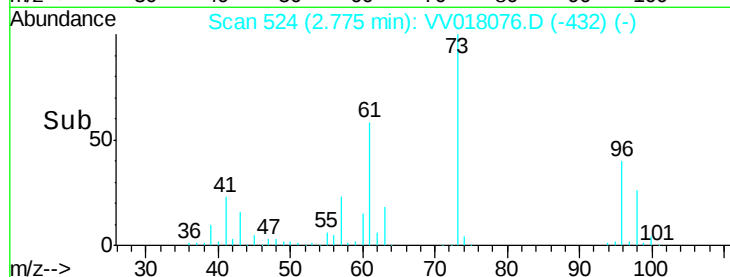
98 64.0 44.4 82.5



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: 49.661 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV018076.D

Acq: 21 Aug 2020 15:52

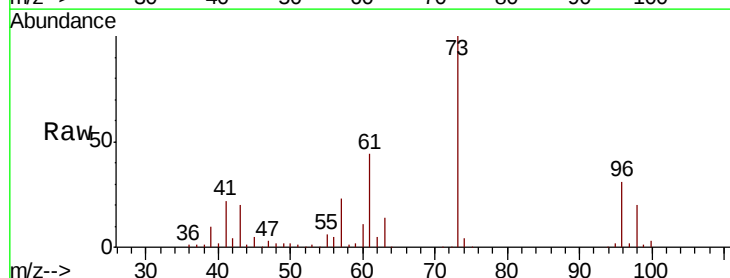
Tgt Ion: 73 Resp: 316082

Ion Ratio Lower Upper

73 100

43 19.5 15.9 23.9

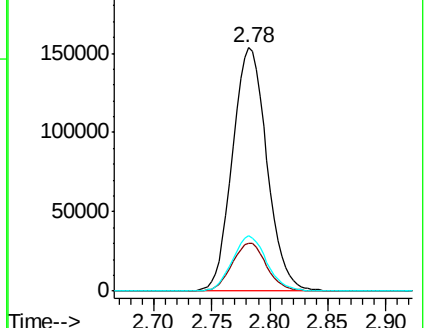
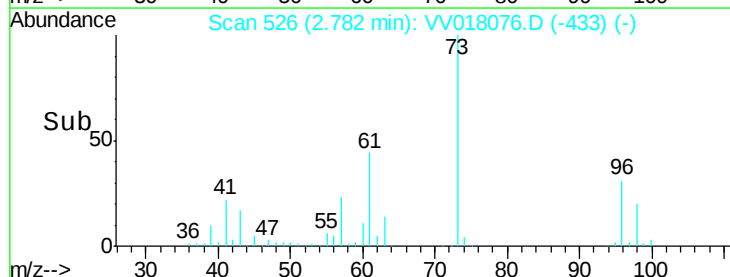
57 22.6 18.1 27.1

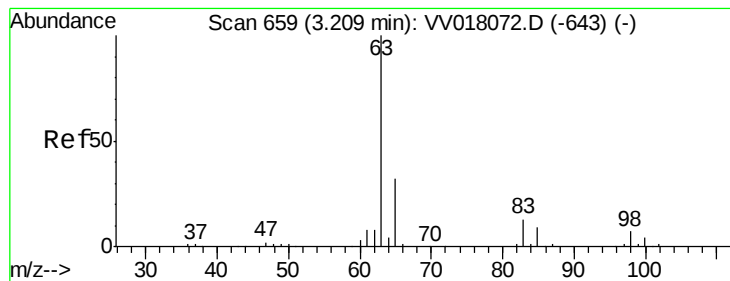


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 48.349 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV018076.D

Acq: 21 Aug 2020 15:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

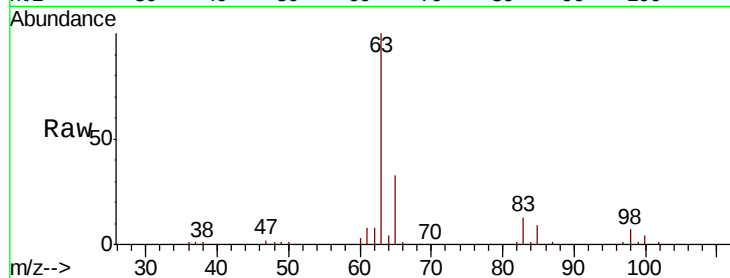
Tot Ion: 63 Resp: 187099

Ion Ratio Lower Upper

63 100

65 32.8 22.5 41.7

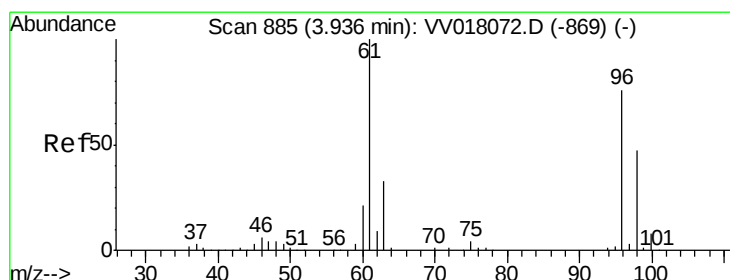
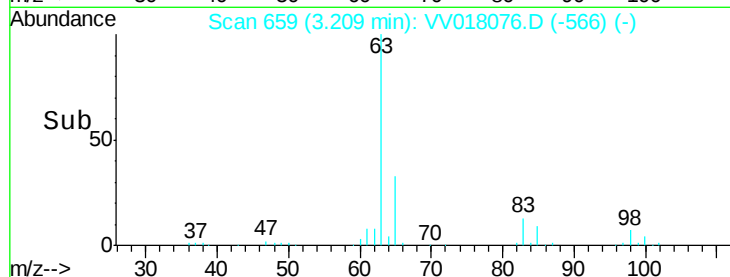
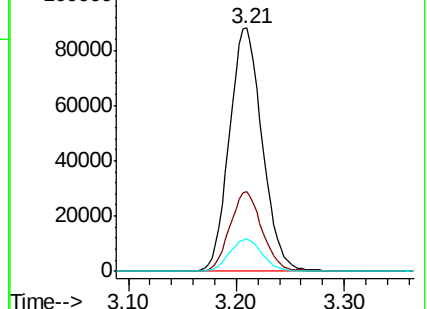
83 13.1 9.2 17.2



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: 49.392 ug/L

RT: 3.93 min Scan# 884

Delta R.T. -0.00 min

Lab File: VV018076.D

Acq: 21 Aug 2020 15:52

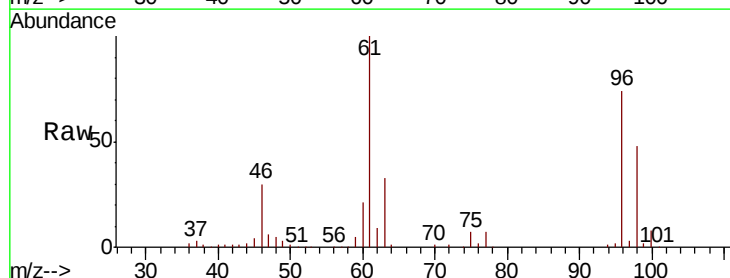
Tgt Ion: 96 Resp: 104459

Ion Ratio Lower Upper

96 100

61 134.6 95.0 176.4

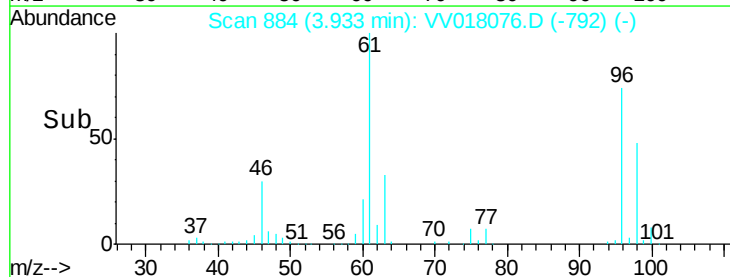
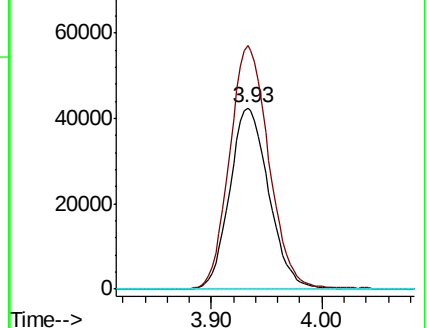
68 0.0 0.0 0.0

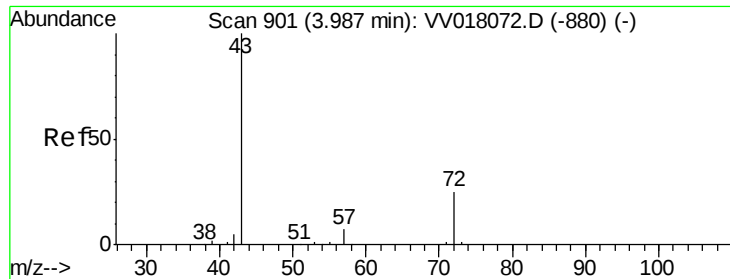


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 104.496 ug/L

RT: 3.98 min Scan# 900

Delta R.T. -0.00 min

Lab File: VV018076.D

Acq: 21 Aug 2020 15:52

Instrument :

MSVOA_V

ClientSampleId :

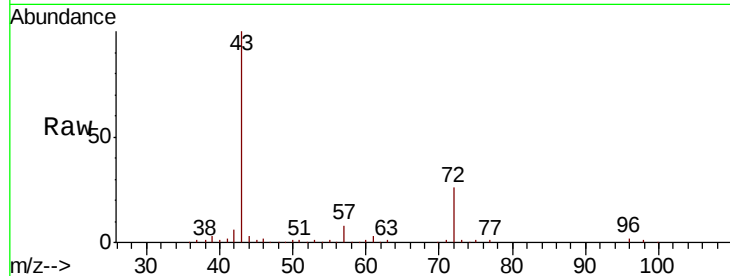
VSTD05080

Tot Ion: 43 Resp: 168882

Ion Ratio Lower Upper

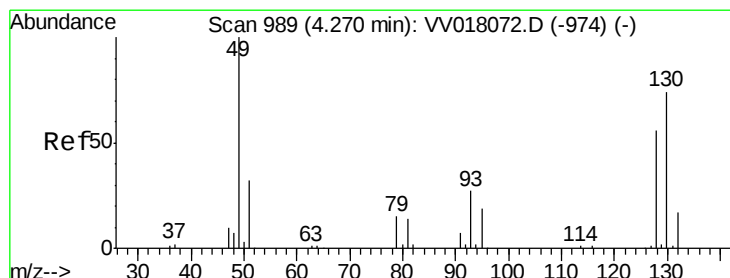
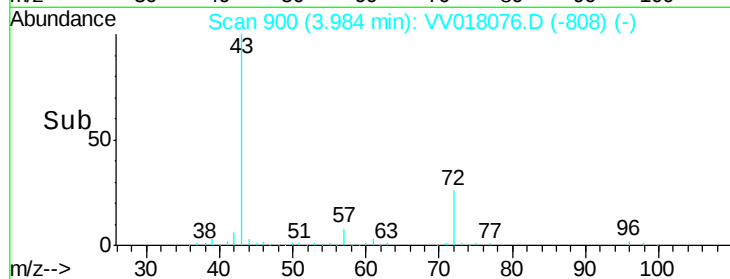
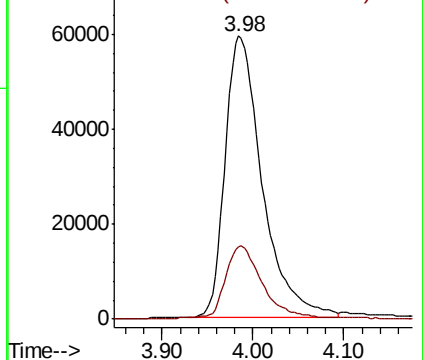
43 100

72 25.4 12.7 38.0



Abundance Ion 43.00 (42.70 to 43.70): VV018076.D (-880) (-)

Ion 72.00 (71.70 to 72.70): VV018076.D (-880) (-)



#23

Bromochloromethane

Concen: 48.962 ug/L

RT: 4.27 min Scan# 989

Delta R.T. 0.00 min

Lab File: VV018076.D

Acq: 21 Aug 2020 15:52

Tgt Ion: 128 Resp: 54094

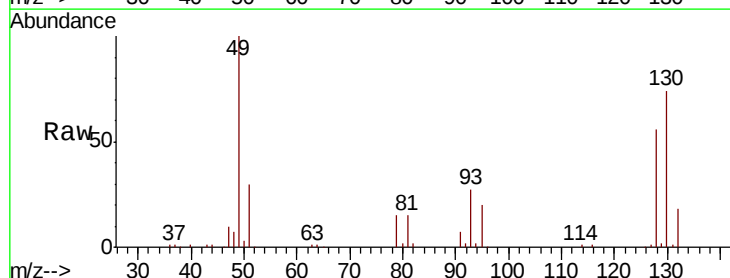
Ion Ratio Lower Upper

128 100

49 177.2 125.6 233.3

130 130.9 89.9 167.0

51 53.7 45.8 68.6

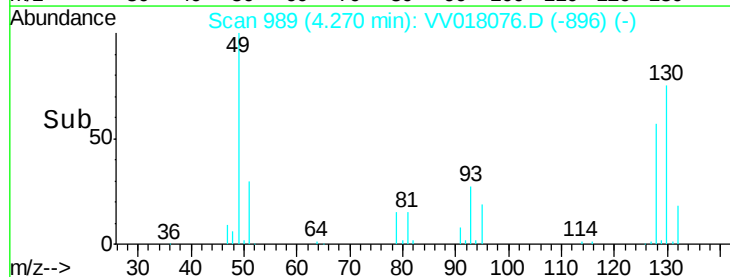
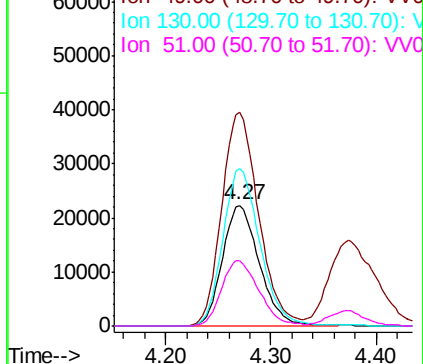


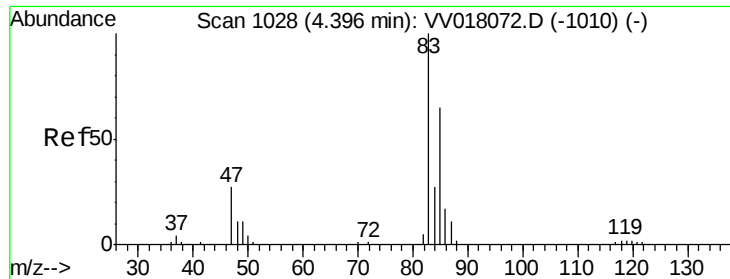
Abundance Ion 128.00 (127.70 to 128.70): VV018076.D (-896) (-)

Ion 49.00 (48.70 to 49.70): VV018076.D (-896) (-)

Ion 130.00 (129.70 to 130.70): VV018076.D (-896) (-)

Ion 51.00 (50.70 to 51.70): VV018076.D (-896) (-)

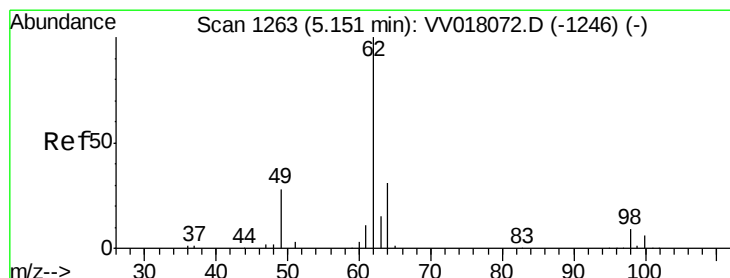
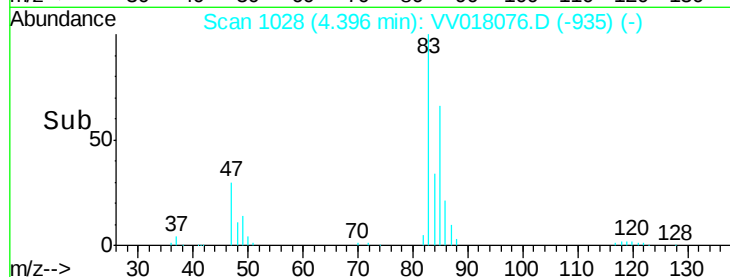
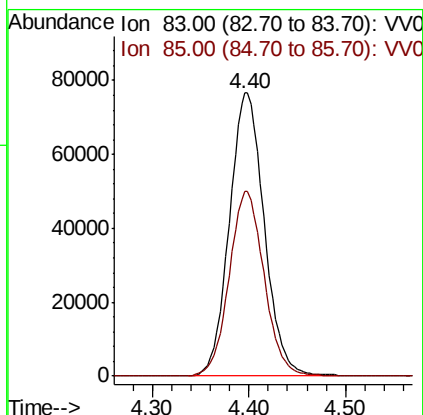
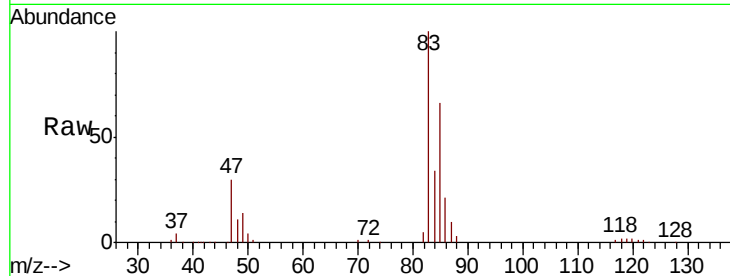




#25
Chloroform
Concen: 48.584 ug/L
RT: 4.40 min Scan# 1028
Delta R.T. 0.00 min
Lab File: VV018076.D
Acq: 21 Aug 2020 15:52

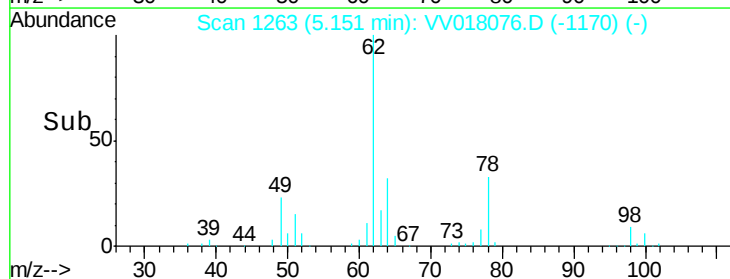
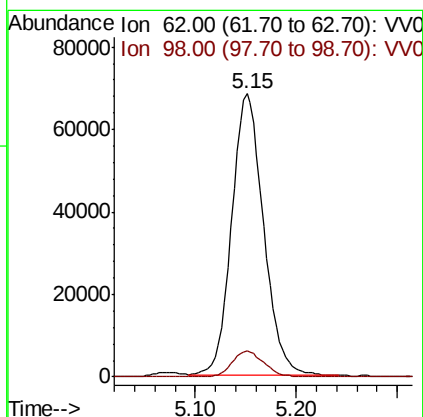
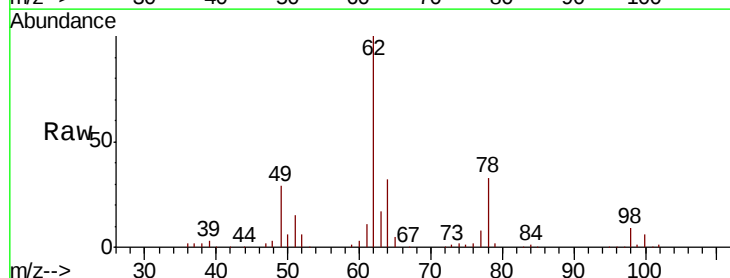
Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

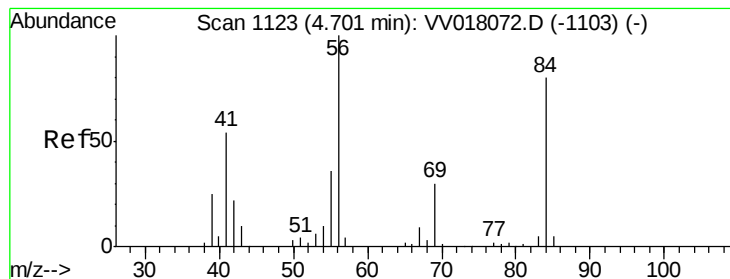
Tot Ion: 83 Resp: 191763
Ion Ratio Lower Upper
83 100
85 65.5 45.5 84.5



#27
1,2-Dichloroethane
Concen: 47.938 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV018076.D
Acq: 21 Aug 2020 15:52

Tgt Ion: 62 Resp: 150606
Ion Ratio Lower Upper
62 100
98 9.2 7.1 10.7





#29

Cyclohexane

Concen: 47.573 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV018076.D

Acq: 21 Aug 2020 15:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

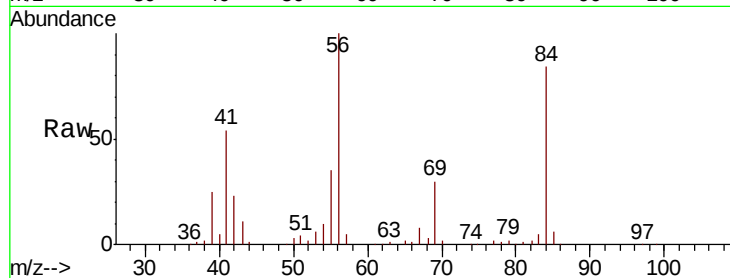
Tot Ion: 56 Resp: 157056

Ion Ratio Lower Upper

56 100

69 30.1 23.8 35.8

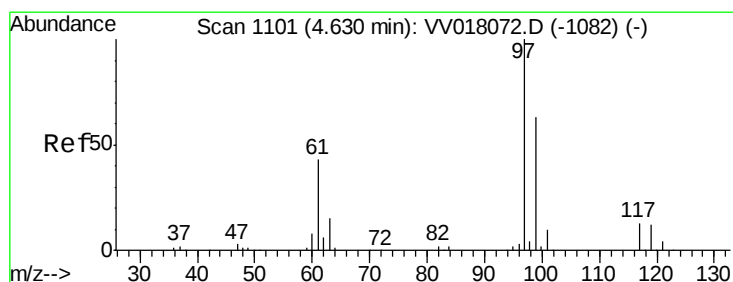
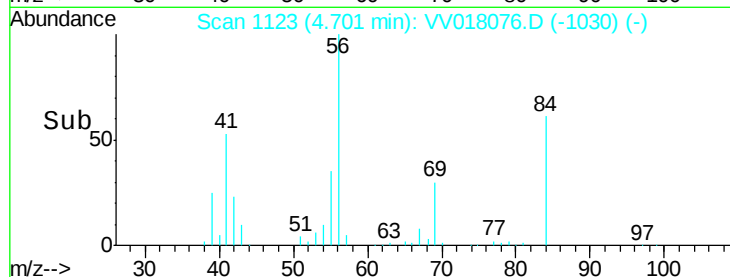
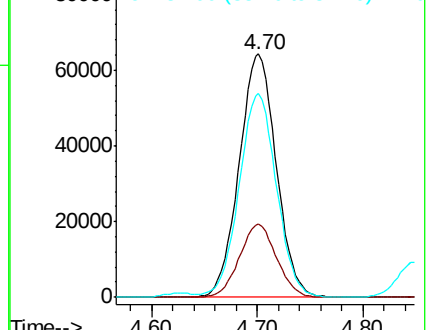
84 84.1 66.8 100.2



Abundance Ion 56.00 (55.70 to 56.70): VV018072.D (-1103) (-)

Ion 69.00 (68.70 to 69.70): VV018072.D (-1103) (-)

Ion 84.00 (83.70 to 84.70): VV018072.D (-1103) (-)



#30

1,1,1-Trichloroethane

Concen: 48.575 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VV018076.D

Acq: 21 Aug 2020 15:52

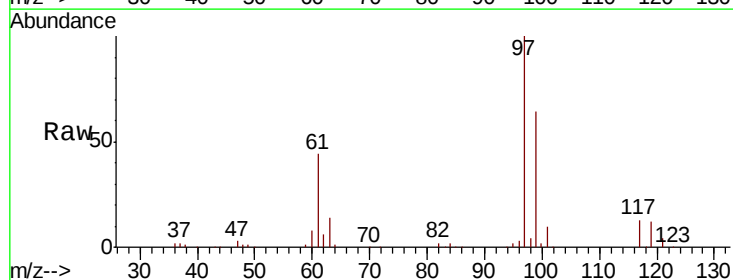
Tgt Ion: 97 Resp: 162824

Ion Ratio Lower Upper

97 100

99 64.7 50.6 76.0

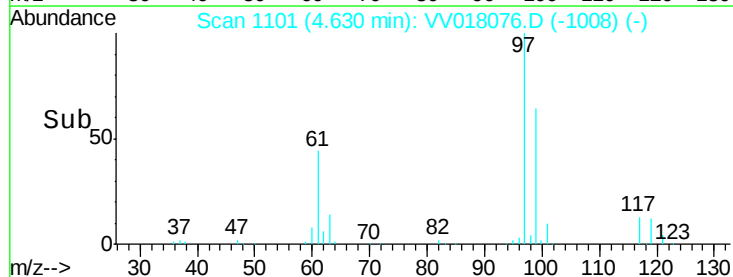
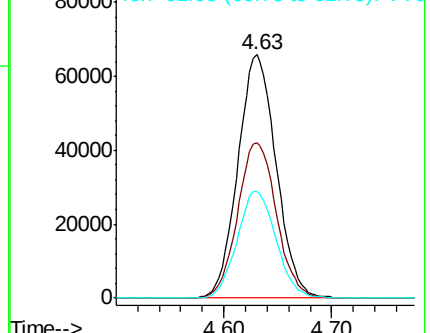
61 44.7 37.0 55.6

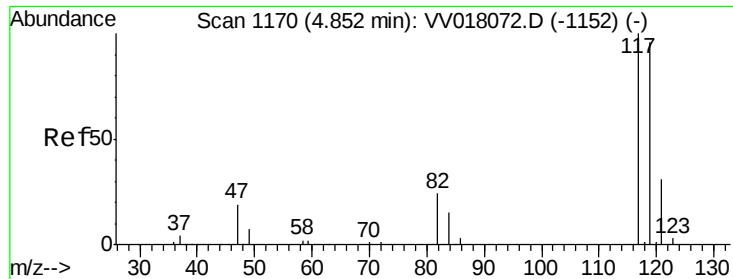


Abundance Ion 97.00 (96.70 to 97.70): VV018072.D (-1082) (-)

Ion 99.00 (98.70 to 99.70): VV018072.D (-1082) (-)

Ion 61.05 (60.75 to 61.75): VV018072.D (-1082) (-)





#31

Carbon tetrachloride

Concen: 50.204 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. -0.00 min

Lab File: VV018076.D

Acq: 21 Aug 2020 15:52

Instrument :

MSVOA_V

ClientSampleId :

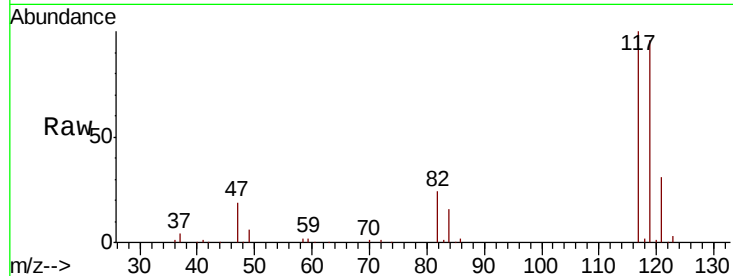
VSTD05080

Tot Ion:117 Resp: 140092

Ion Ratio Lower Upper

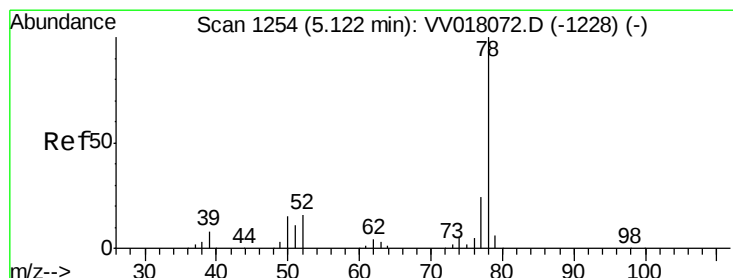
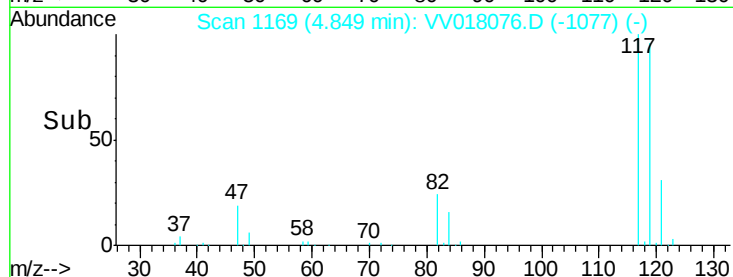
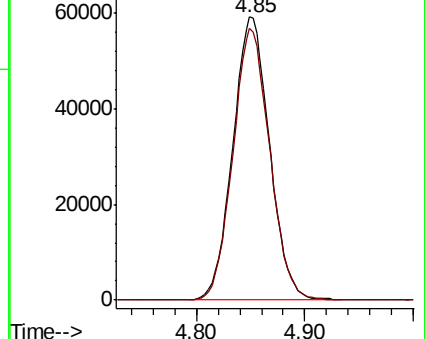
117 100

119 96.0 77.0 115.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 48.073 ug/L

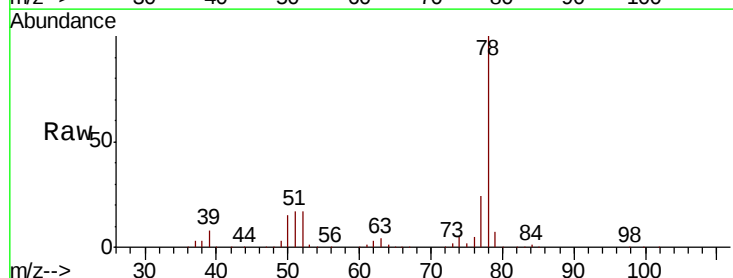
RT: 5.12 min Scan# 1253

Delta R.T. -0.00 min

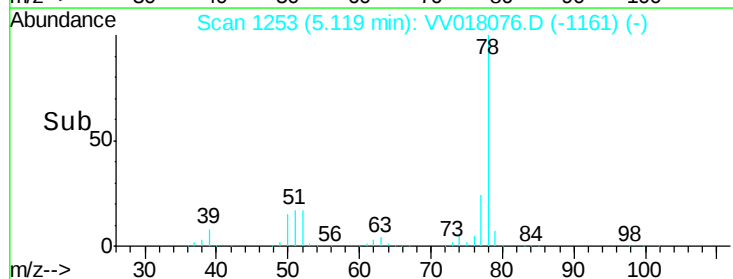
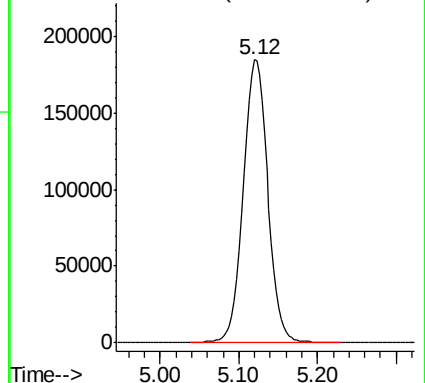
Lab File: VV018076.D

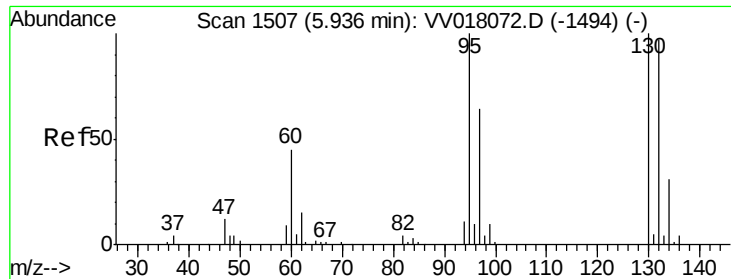
Acq: 21 Aug 2020 15:52

Tgt Ion: 78 Resp: 406832



Abundance Ion 78.00 (77.70 to 78.70): VV0

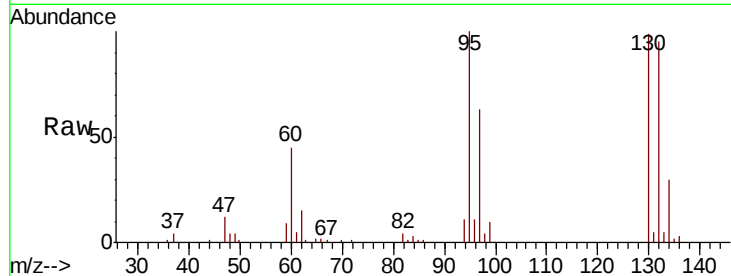




#34
 Trichloroethene
 Concen: 47.694 ug/L
 RT: 5.93 min Scan# 1506
 Delta R.T. -0.00 min
 Lab File: VV018076.D
 Acq: 21 Aug 2020 15:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

Tot Ion:	95	Resp:	106688
Ion	Ratio	Lower	Upper
95	100		
97	62.6	46.0	85.4
132	95.1	65.8	122.2
130	99.0	69.2	128.6



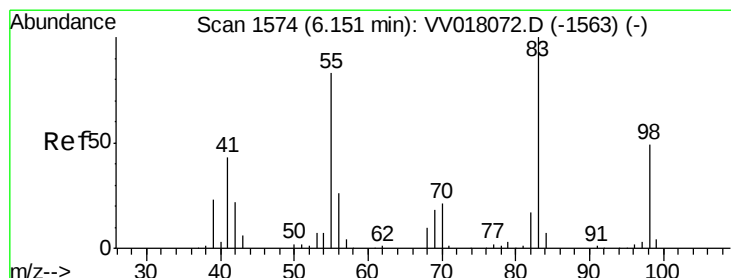
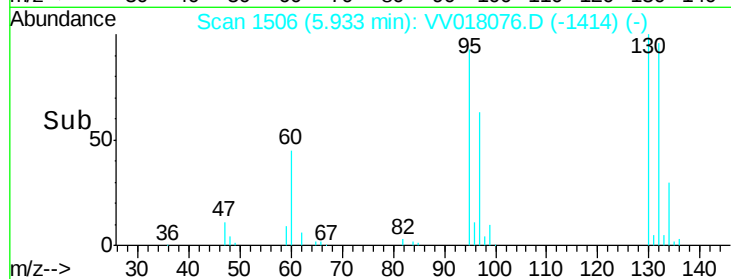
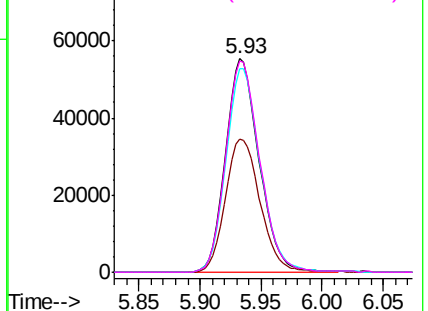
Abundance

Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

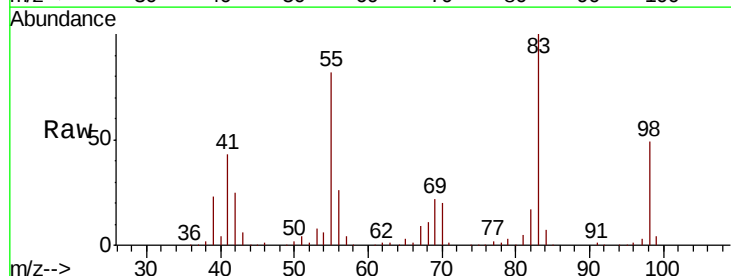
Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35
 Methylcyclohexane
 Concen: 47.676 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VV018076.D
 Acq: 21 Aug 2020 15:52

Tgt Ion:	83	Resp:	158584
Ion	Ratio	Lower	Upper
83	100		
55	80.5	64.9	97.3
98	48.1	38.7	58.1

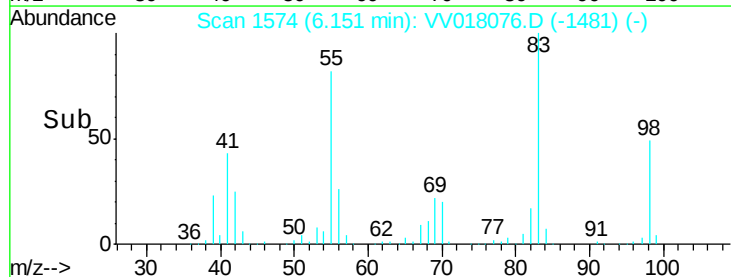
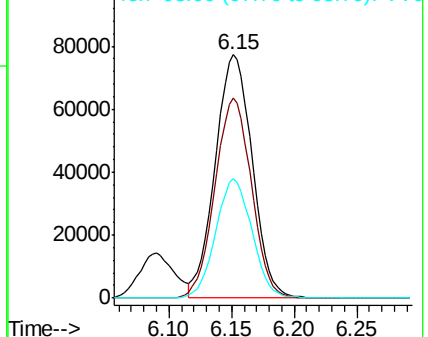


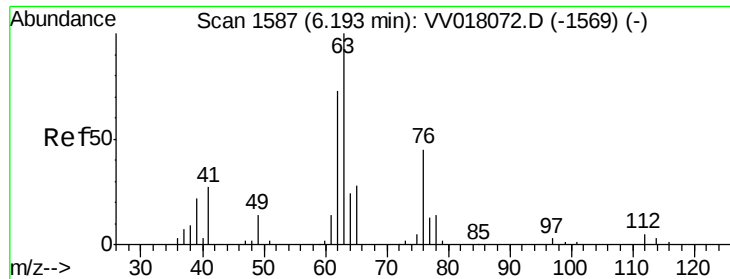
Abundance

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

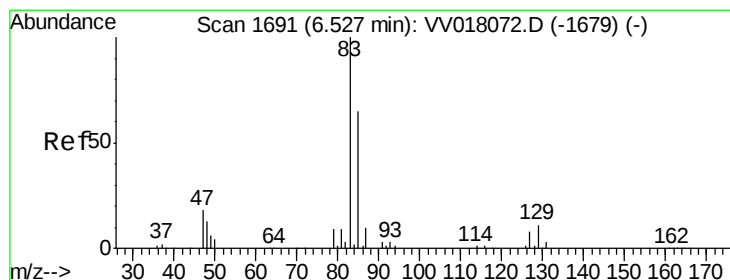
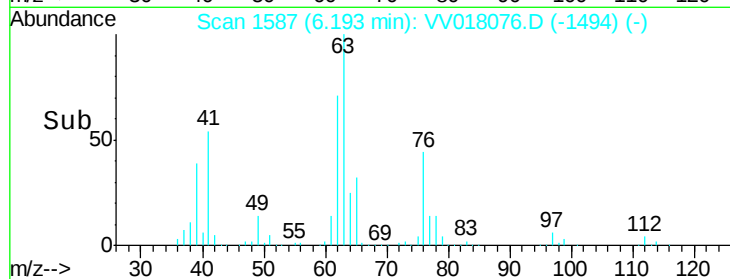
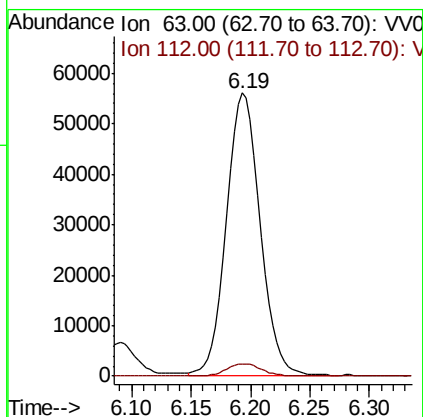
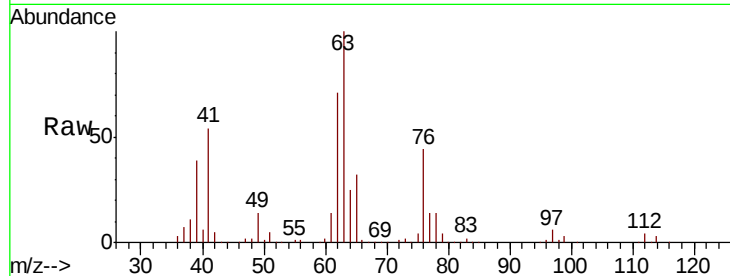




#37
 1,2-Dichloropropane
 Concen: 47.770 ug/L
 RT: 6.19 min Scan# 1587
 Delta R.T. 0.00 min
 Lab File: VV018076.D
 Acq: 21 Aug 2020 15:52

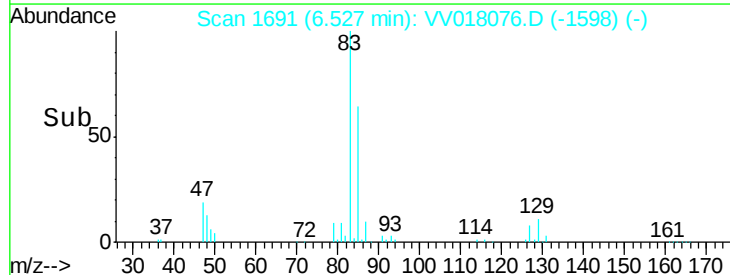
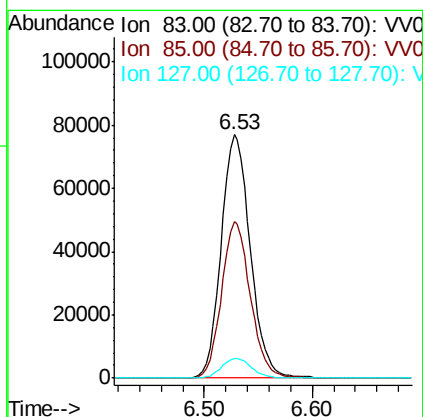
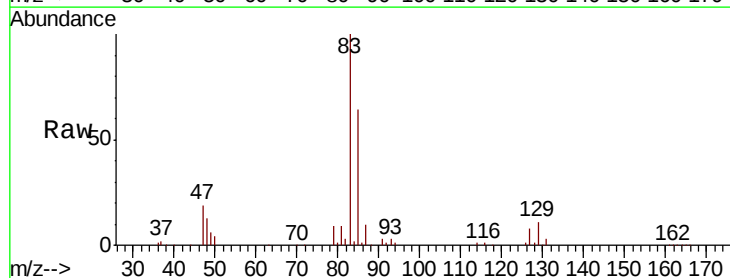
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

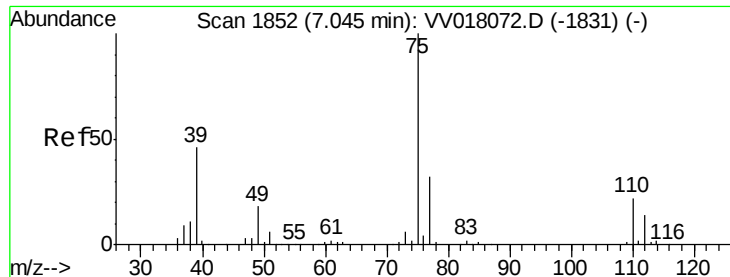
Tot Ion: 63 Resp: 110249
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.5 5.3



#38
 Bromodichloromethane
 Concen: 50.401 ug/L
 RT: 6.53 min Scan# 1691
 Delta R.T. 0.00 min
 Lab File: VV018076.D
 Acq: 21 Aug 2020 15:52

Tgt Ion: 83 Resp: 144481
 Ion Ratio Lower Upper
 83 100
 85 64.1 44.3 82.3
 127 7.9 6.5 9.7



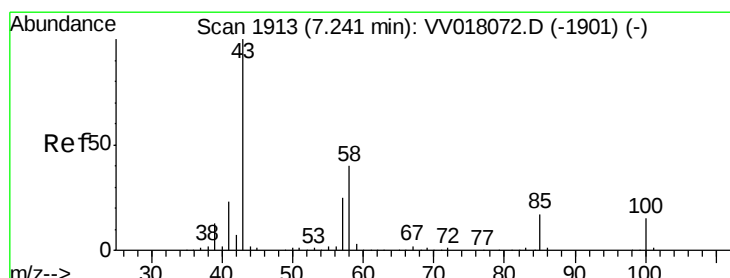
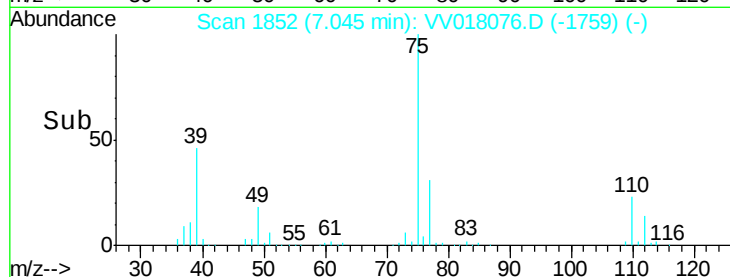
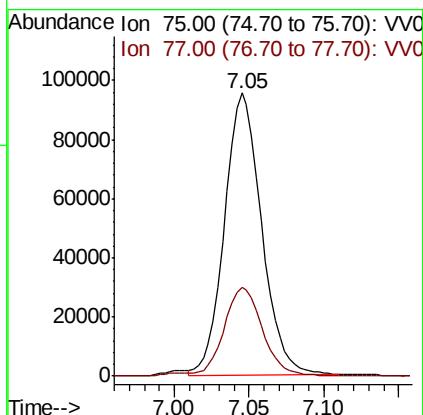
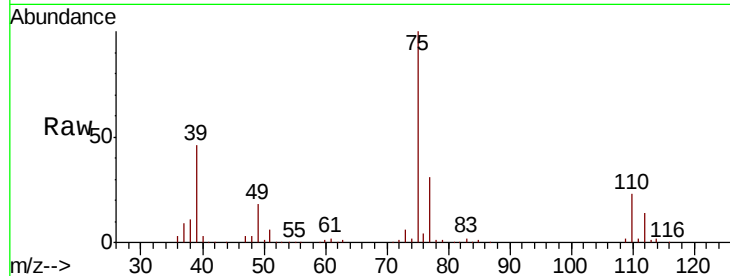


#39

cis-1,3-Dichloropropene
 Concen: 50.289 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VV018076.D
 Acq: 21 Aug 2020 15:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

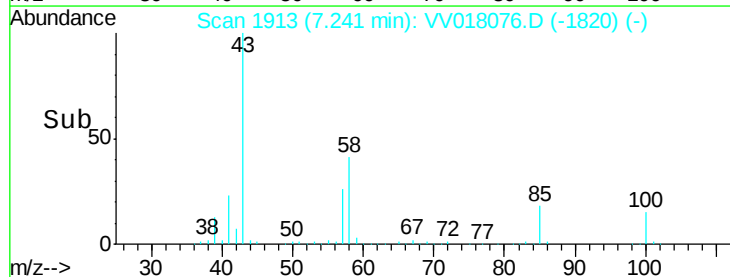
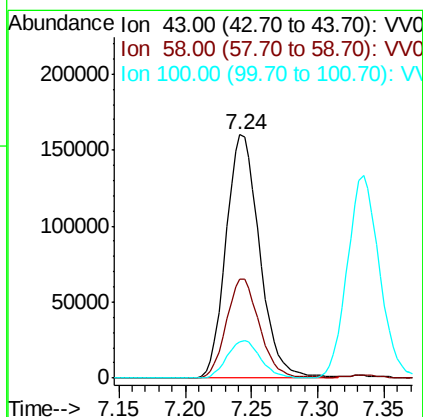
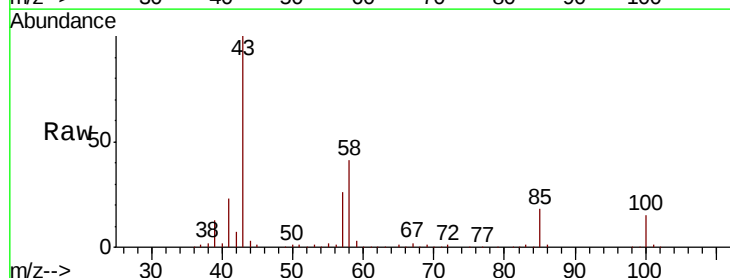
Tot Ion: 75 Resp: 164533
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.3 41.5

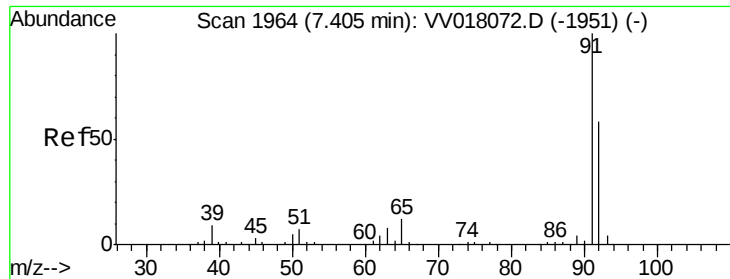


#40

4-Methyl-2-pentanone
 Concen: 93.745 ug/L
 RT: 7.24 min Scan# 1913
 Delta R.T. 0.00 min
 Lab File: VV018076.D
 Acq: 21 Aug 2020 15:52

Tgt Ion: 43 Resp: 282829
 Ion Ratio Lower Upper
 43 100
 58 40.2 31.9 47.9
 100 15.3 12.2 18.2





#42

Toluene

Concen: 48.683 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VV018076.D

Acq: 21 Aug 2020 15:52

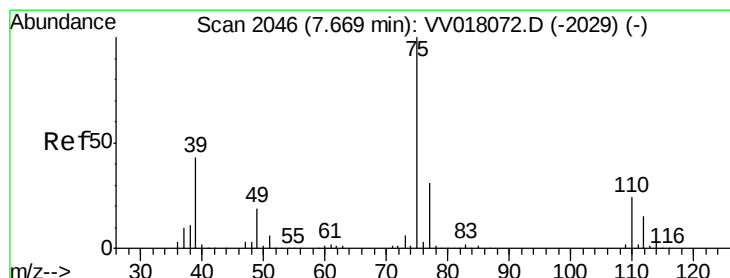
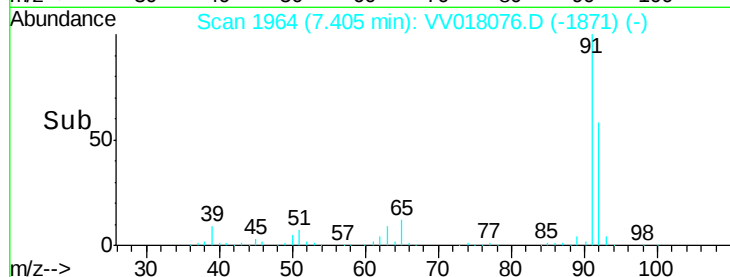
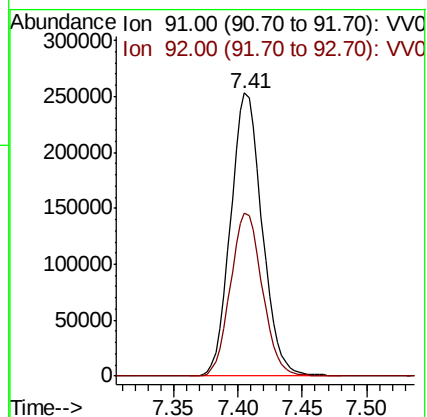
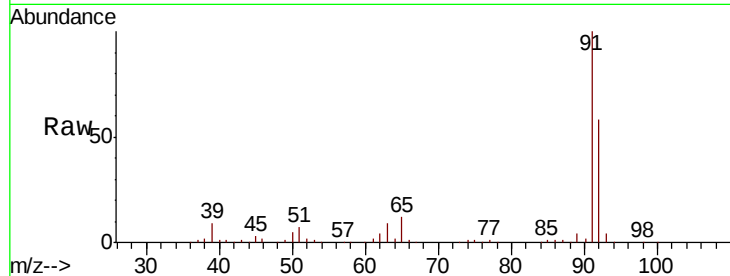
Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

Tot Ion: 91 Resp: 429905

Ion Ratio Lower Upper

91 100

92 57.6 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 53.674 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV018076.D

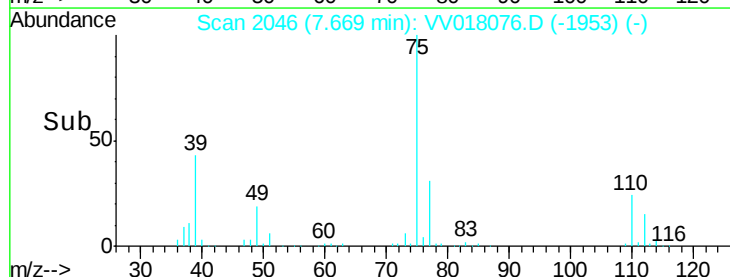
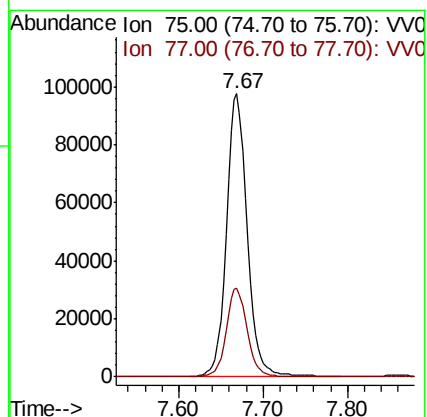
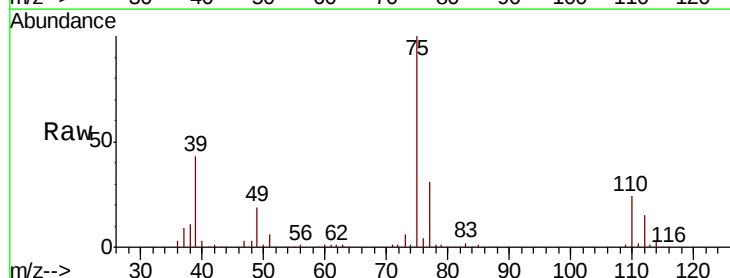
Acq: 21 Aug 2020 15:52

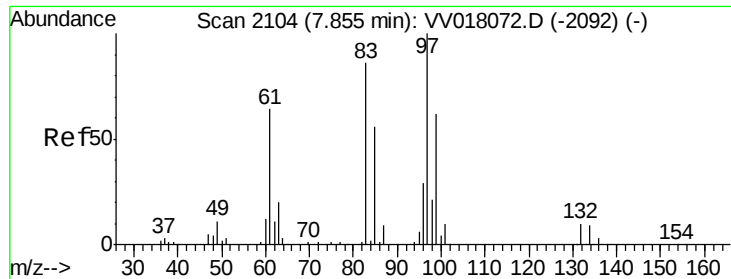
Tgt Ion: 75 Resp: 166617

Ion Ratio Lower Upper

75 100

77 31.3 22.3 41.5

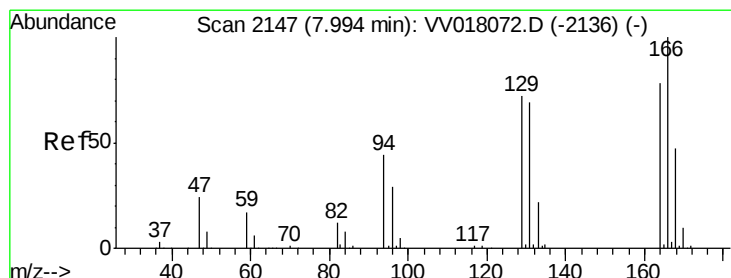
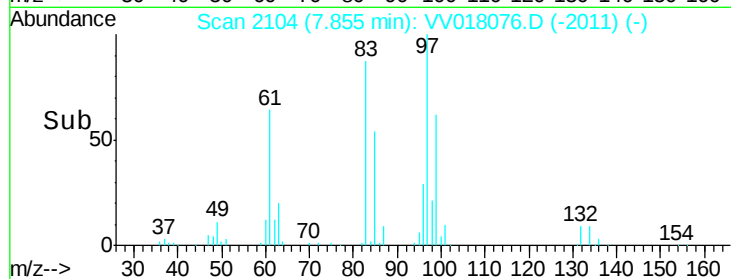
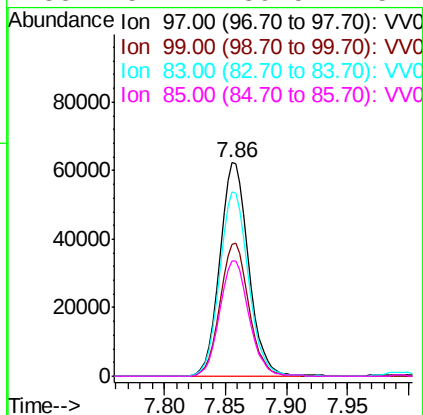
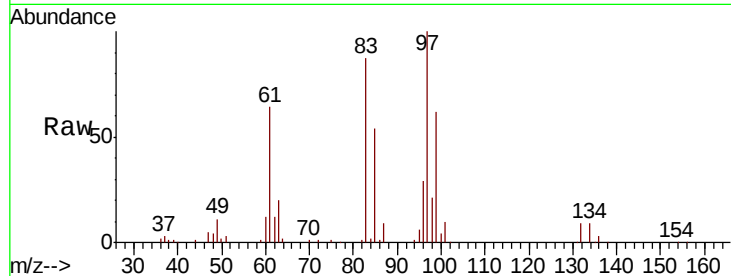




#45
 1,1,2-Trichloroethane
 Concen: 48.533 ug/L
 RT: 7.86 min Scan# 2104
 Delta R.T. 0.00 min
 Lab File: VV018076.D
 Acq: 21 Aug 2020 15:52

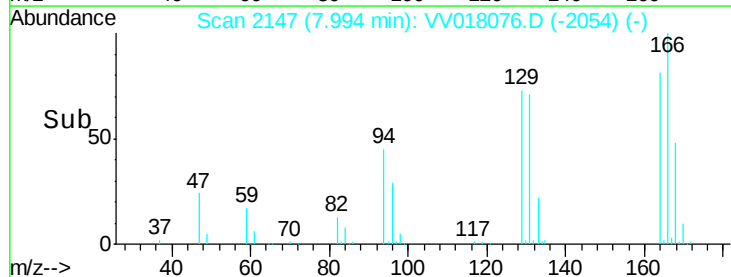
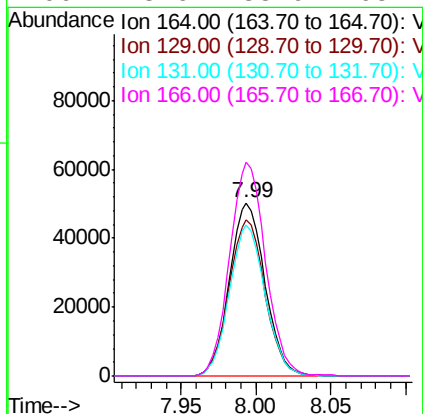
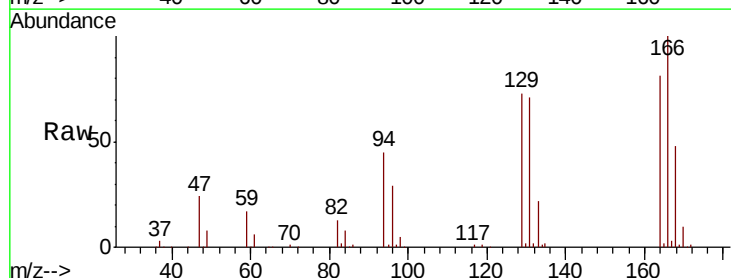
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

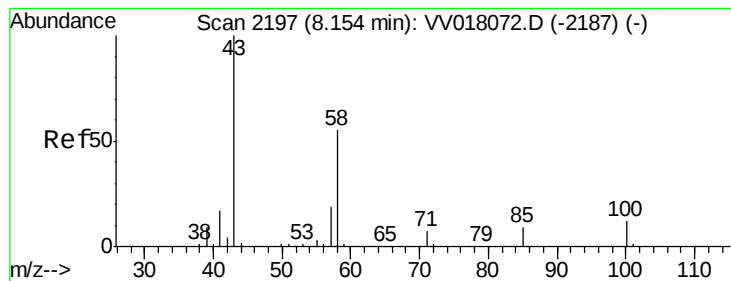
Tot Ion:	97	Resp:	103730
Ion	Ratio	Lower	Upper
97	100		
99	61.8	44.2	82.2
83	86.6	61.0	113.4
85	54.1	39.5	73.4



#46
 Tetrachloroethene
 Concen: 50.627 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. 0.00 min
 Lab File: VV018076.D
 Acq: 21 Aug 2020 15:52

Tgt Ion:	164	Resp:	83056
Ion	Ratio	Lower	Upper
164	100		
129	90.1	64.8	120.3
131	87.6	64.5	119.9
166	123.6	88.9	165.1





#48

2-Hexanone

Concen: 97.424 ug/L

RT: 8.15 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VV018076.D

Acq: 21 Aug 2020 15:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

Tot Ion: 43 Resp: 237019

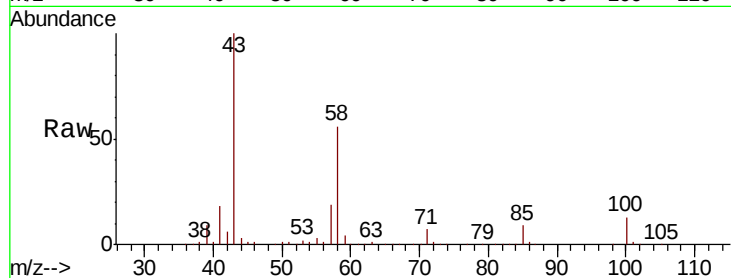
Ion Ratio Lower Upper

43 100

58 56.3 44.4 66.6

57 19.5 15.2 22.8

100 12.5 9.8 14.6

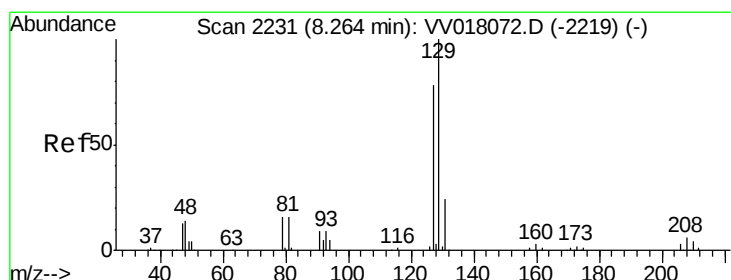
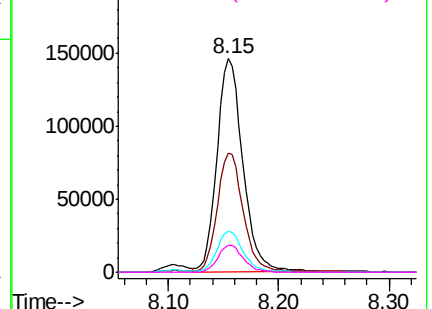
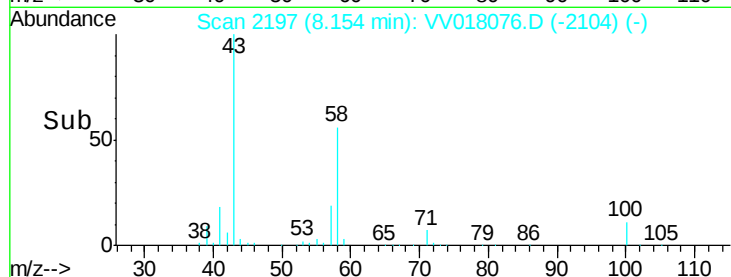


Abundance Ion 43.00 (42.70 to 43.70): VV018076.D (-2197) (-)

Ion 58.00 (57.70 to 58.70): VV018076.D (-2197) (-)

Ion 57.00 (56.70 to 57.70): VV018076.D (-2197) (-)

Ion 100.00 (99.70 to 100.70): VV018076.D (-2197) (-)



#49

Dibromochloromethane

Concen: 53.473 ug/L

RT: 8.26 min Scan# 2231

Delta R.T. 0.00 min

Lab File: VV018076.D

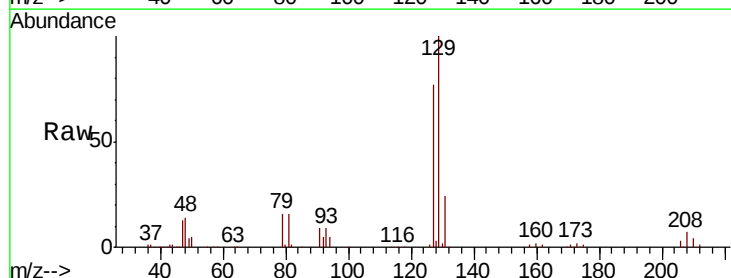
Acq: 21 Aug 2020 15:52

Tgt Ion: 129 Resp: 111553

Ion Ratio Lower Upper

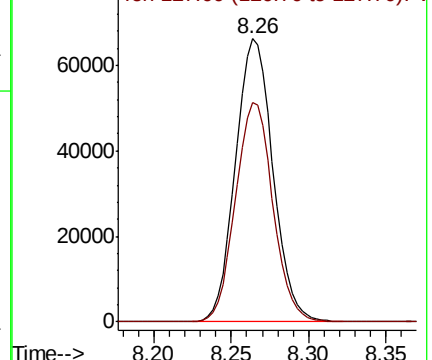
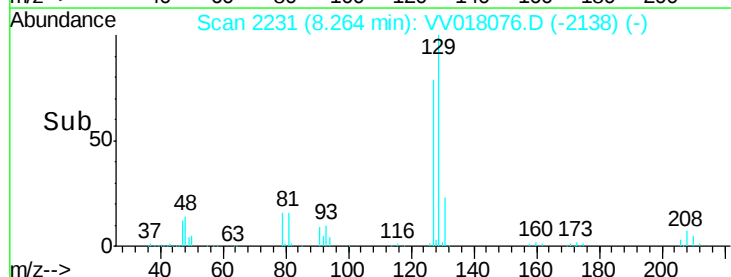
129 100

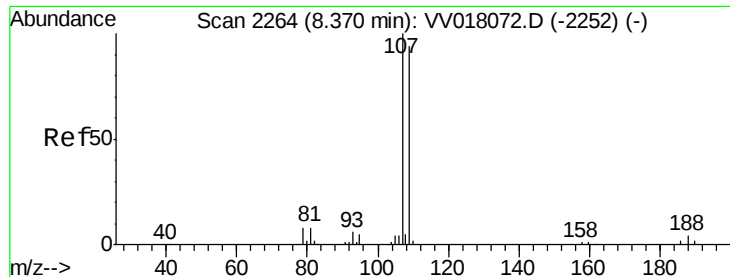
127 77.4 54.9 101.9



Abundance Ion 129.00 (128.70 to 129.70): VV018076.D (-2231) (-)

Ion 127.00 (126.70 to 127.70): VV018076.D (-2231) (-)

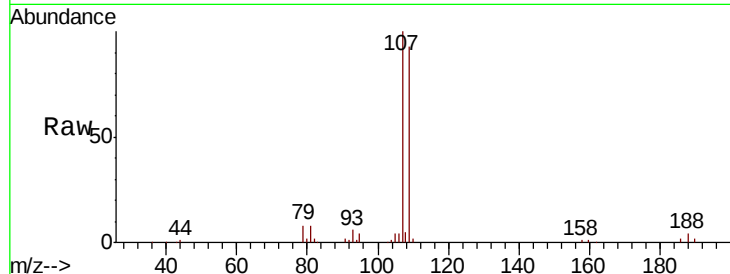




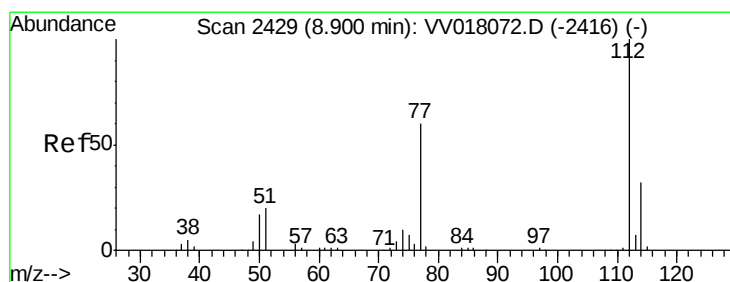
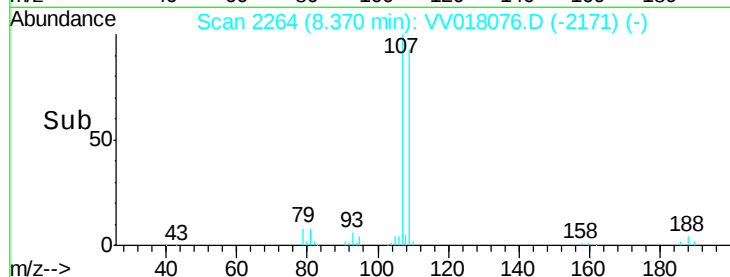
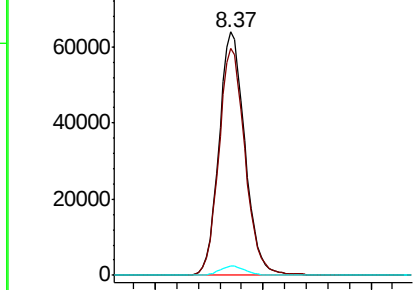
#50
1,2-Dibromoethane
Concen: 48.266 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.00 min
Lab File: VV018076.D
Acq: 21 Aug 2020 15:52

Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	67.5	125.4
188	3.9	3.4	5.0

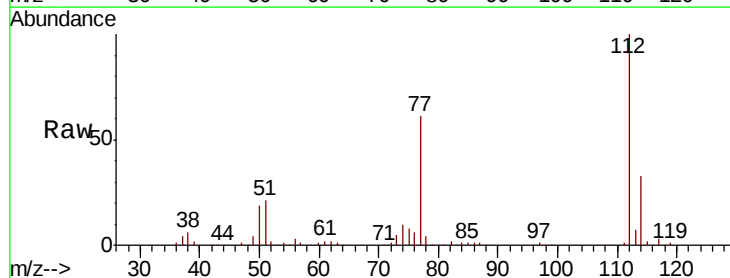


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

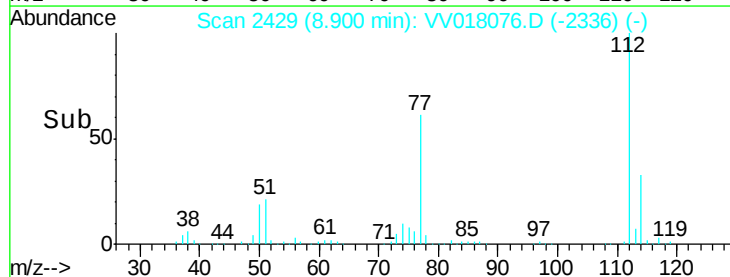
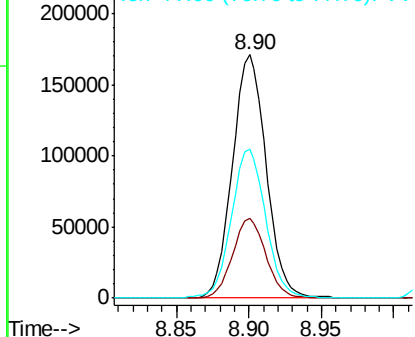


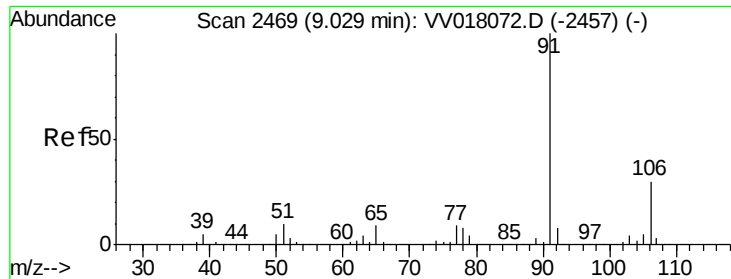
#51
Chlorobenzene
Concen: 48.779 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV018076.D
Acq: 21 Aug 2020 15:52

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.6	22.7	42.3
77	61.1	49.4	74.2



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 49.719 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV018076.D

Acq: 21 Aug 2020 15:52

Instrument :

MSVOA_V

ClientSampleId :

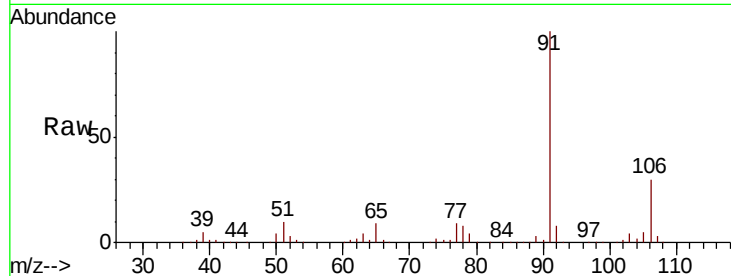
VSTD05080

Tot Ion: 91 Resp: 478728

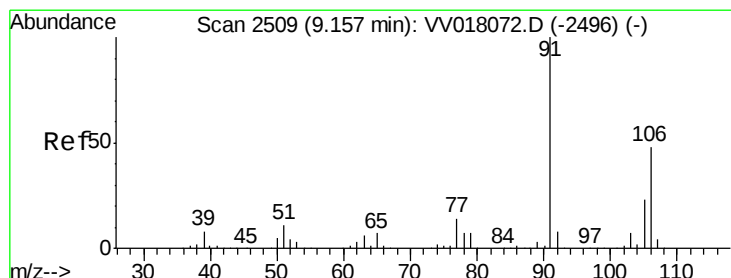
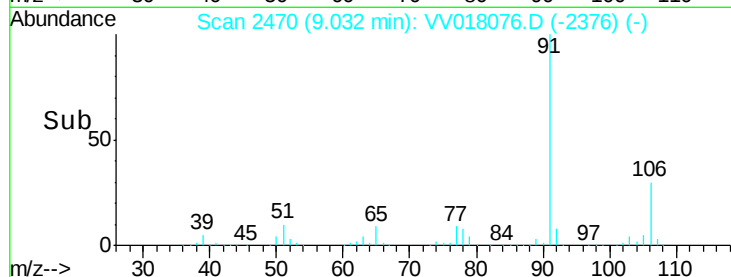
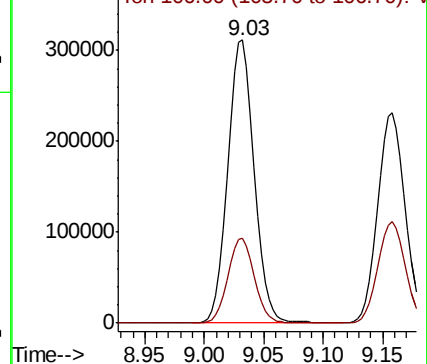
Ion Ratio Lower Upper

91 100

106 29.9 21.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VV018076.D (-2457) (-)



#53

m,p-Xylene

Concen: 51.013 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV018076.D

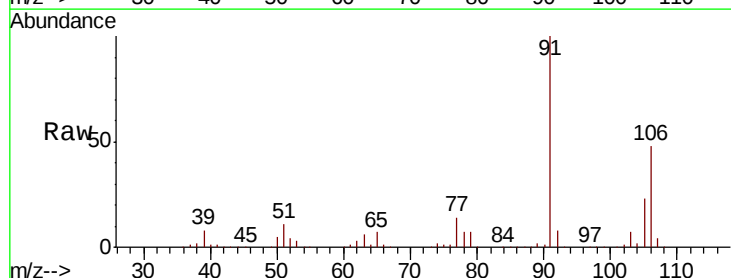
Acq: 21 Aug 2020 15:52

Tgt Ion: 106 Resp: 180658

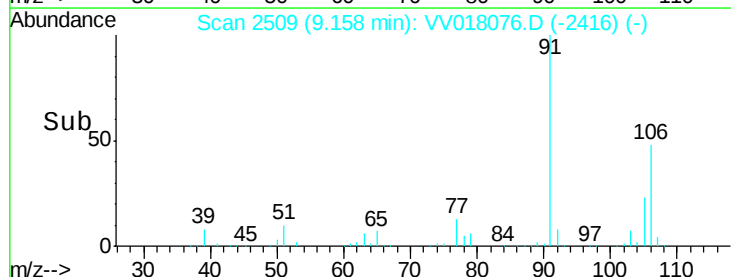
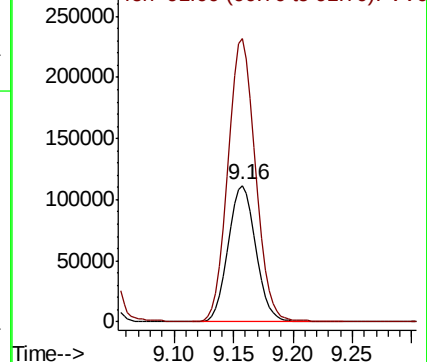
Ion Ratio Lower Upper

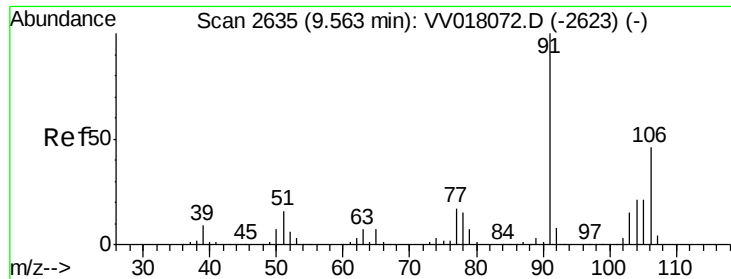
106 100

91 207.9 147.3 273.6



Abundance Ion 106.00 (105.70 to 106.70): VV018076.D (-2496) (-)

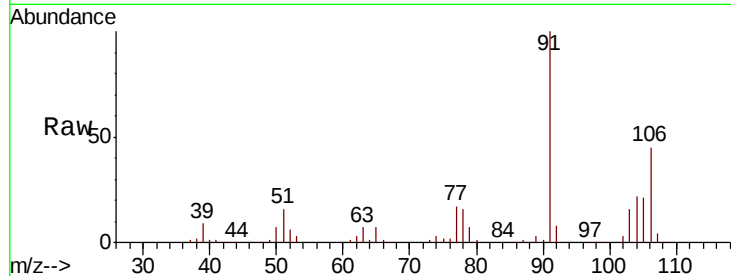




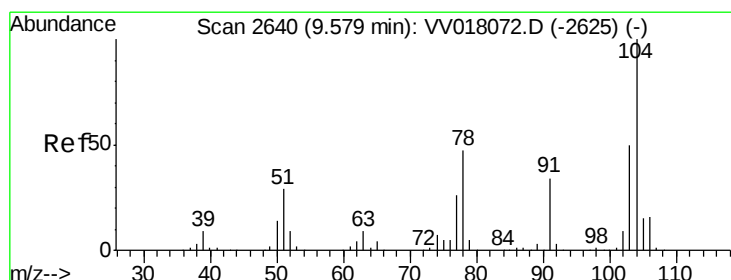
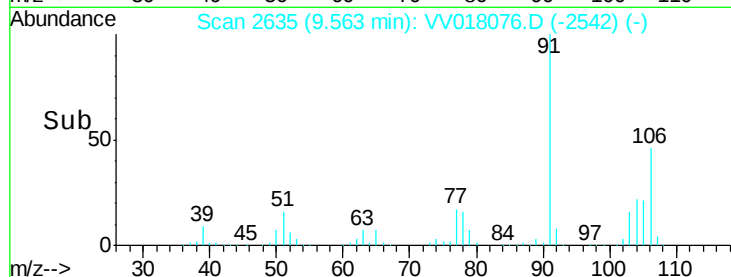
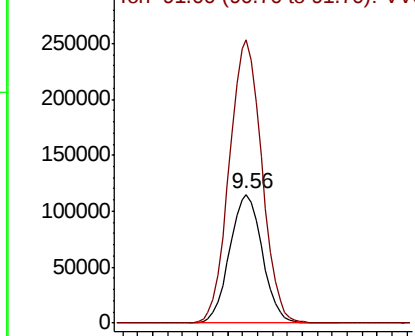
#54
o-xylene
Concen: 49.949 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV018076.D
Acq: 21 Aug 2020 15:52

Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

Tot Ion:106 Resp: 174804
Ion Ratio Lower Upper
106 100
91 219.8 156.0 289.8

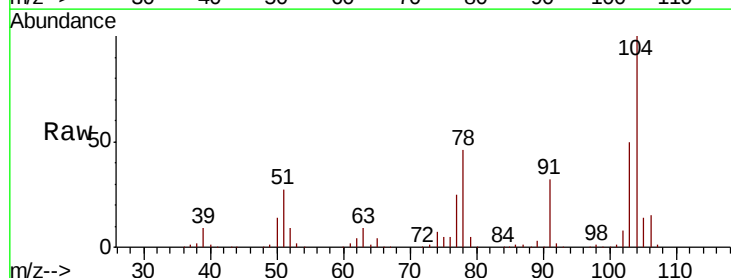


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

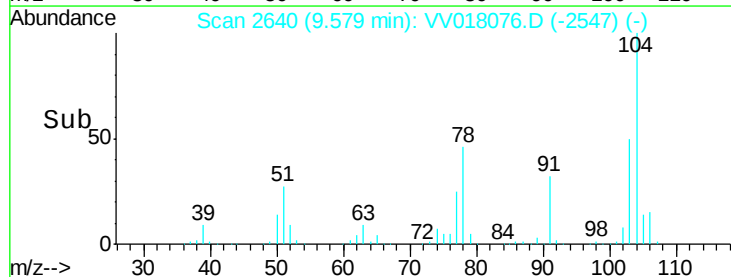
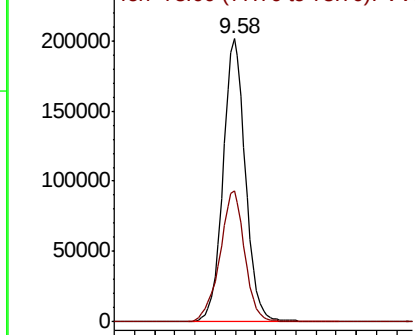


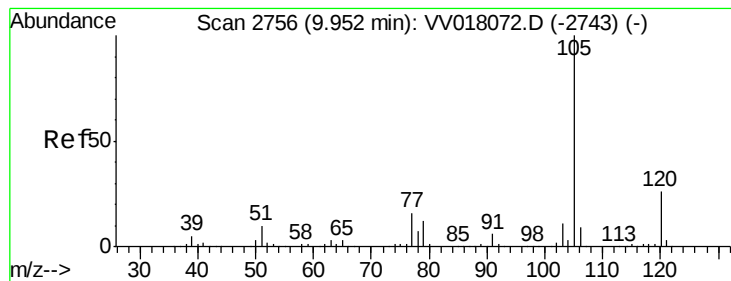
#55
Styrene
Concen: 52.267 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. 0.00 min
Lab File: VV018076.D
Acq: 21 Aug 2020 15:52

Tgt Ion:104 Resp: 313244
Ion Ratio Lower Upper
104 100
78 46.1 32.2 59.8



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





#56

Isopropylbenzene

Concen: 51.193 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018076.D

Acq: 21 Aug 2020 15:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

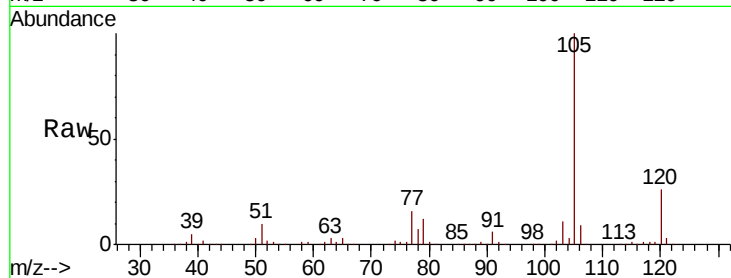
Tot Ion:105 Resp: 472639

Ion Ratio Lower Upper

105 100

120 26.0 20.6 31.0

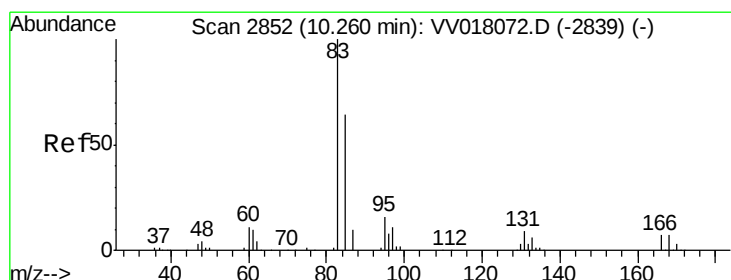
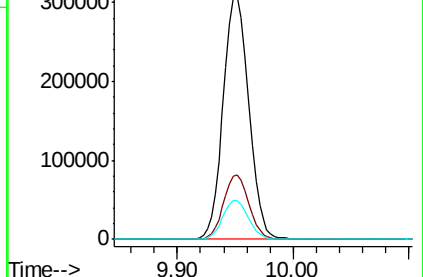
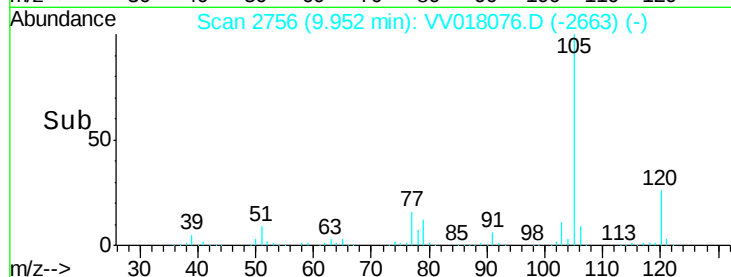
77 16.0 13.1 19.7



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: 46.752 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV018076.D

Acq: 21 Aug 2020 15:52

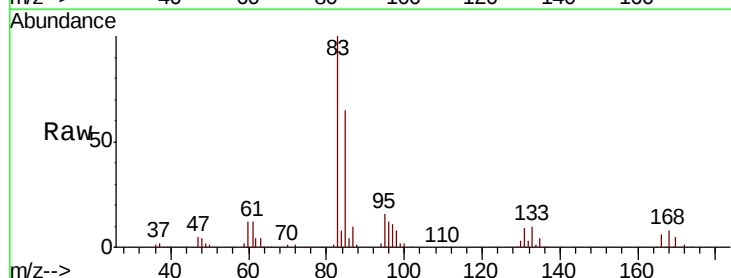
Tgt Ion: 83 Resp: 155598

Ion Ratio Lower Upper

83 100

85 64.8 45.1 83.7

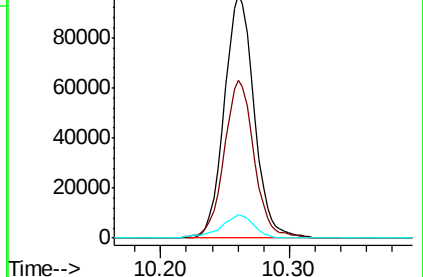
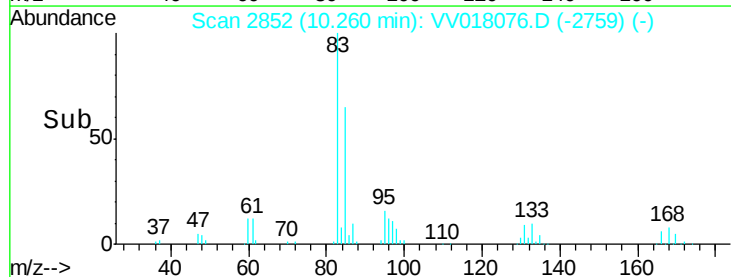
131 9.4 7.8 11.6

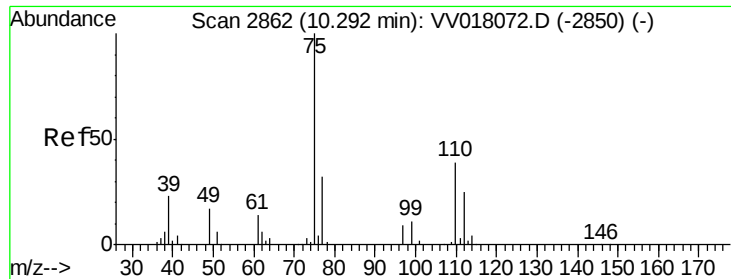


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 46.459 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV018076.D

Acq: 21 Aug 2020 15:52

Instrument :

MSVOA_V

ClientSampleId :

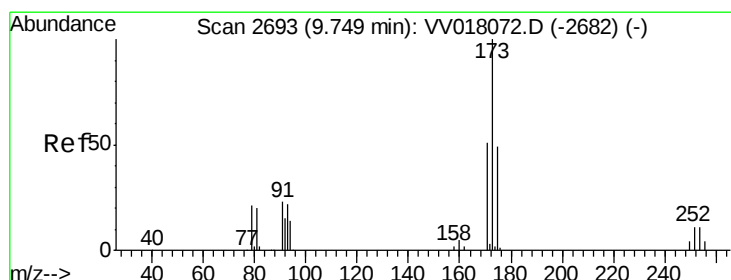
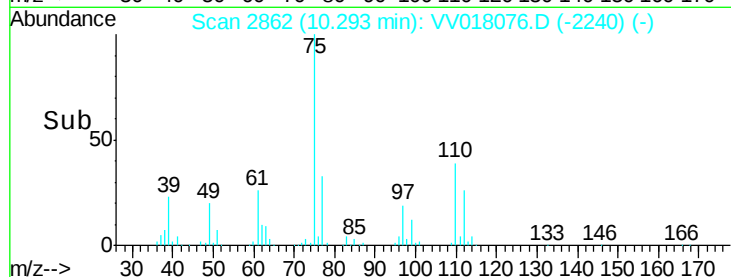
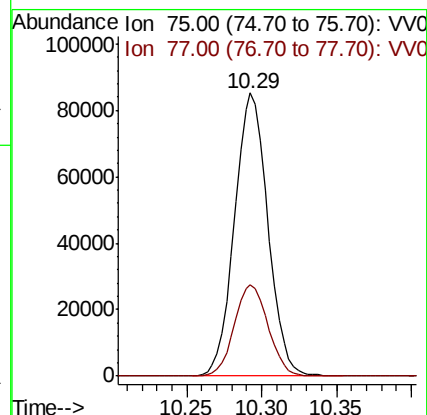
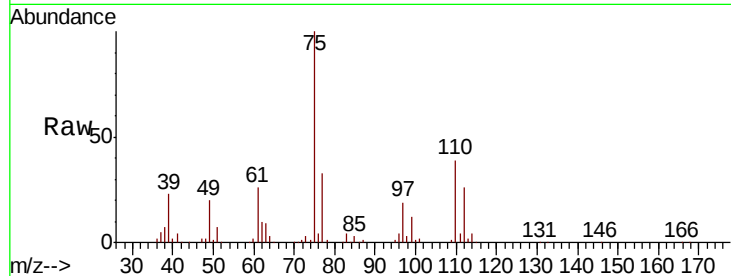
VSTD05080

Tot Ion: 75 Resp: 132420

Ion Ratio Lower Upper

75 100

77 32.7 25.7 38.5



#61

Bromoform

Concen: 55.708 ug/L

RT: 9.75 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VV018076.D

Acq: 21 Aug 2020 15:52

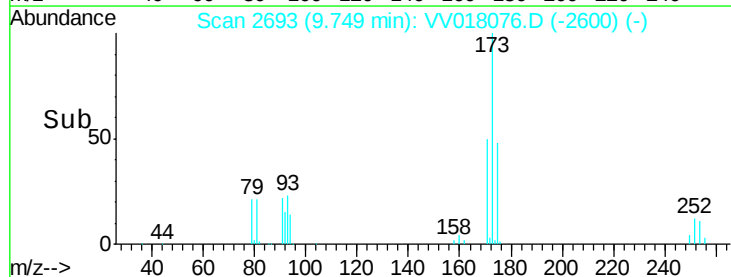
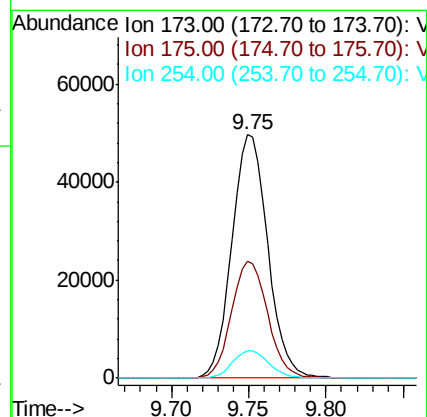
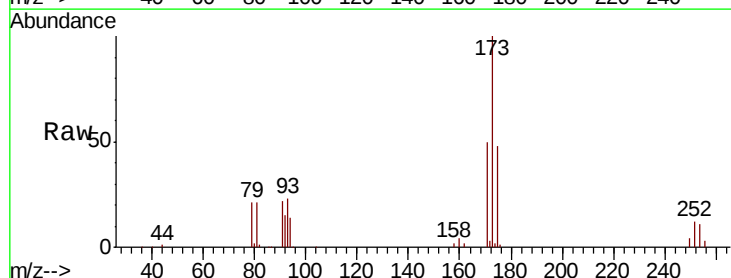
Tgt Ion: 173 Resp: 79862

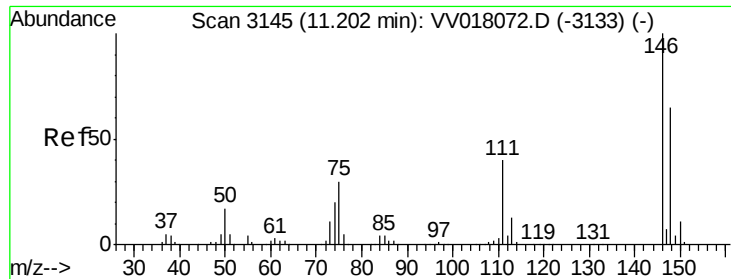
Ion Ratio Lower Upper

173 100

175 48.4 38.6 57.8

254 11.3 8.4 12.6

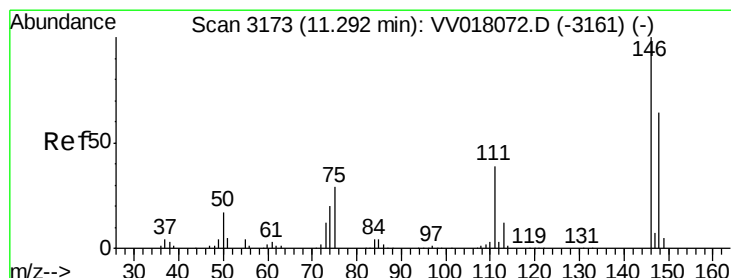
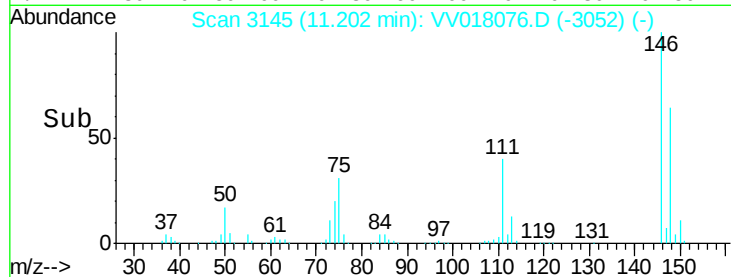
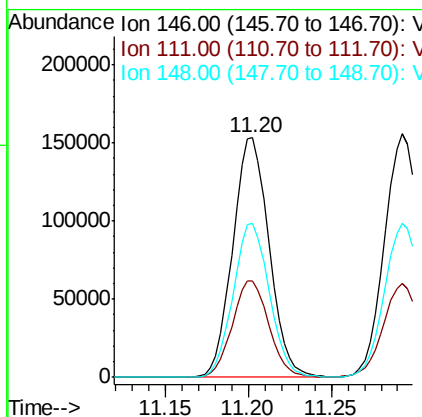
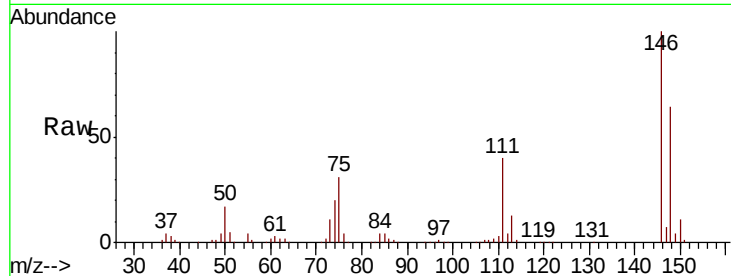




#62
 1,3-Dichlorobenzene
 Concen: 48.614 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV018076.D
 Acq: 21 Aug 2020 15:52

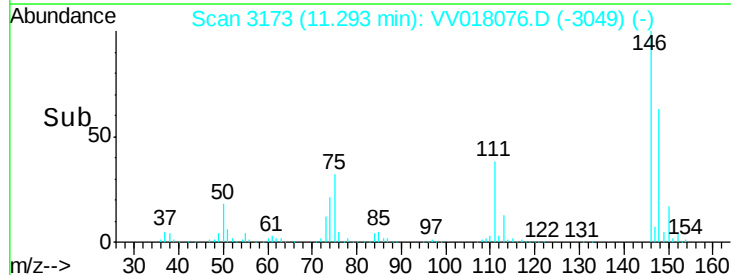
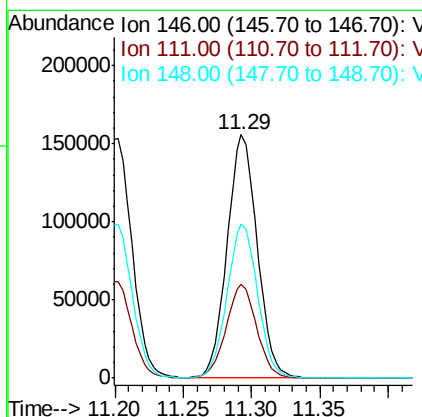
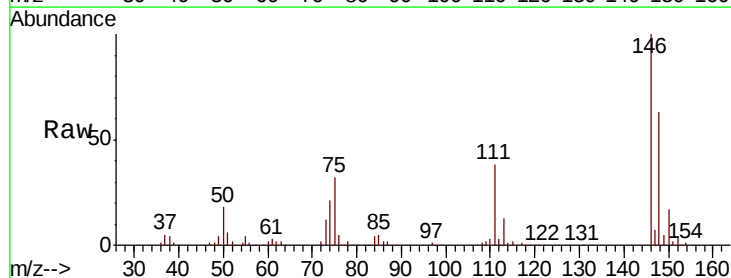
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

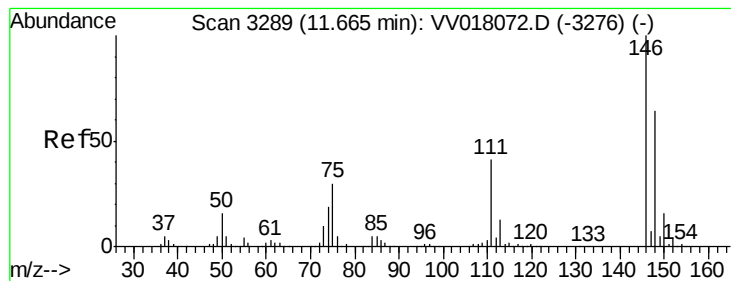
Tot Ion:146 Resp: 234219
 Ion Ratio Lower Upper
 146 100
 111 40.3 28.8 53.4
 148 64.2 44.9 83.5



#63
 1,4-Dichlorobenzene
 Concen: 48.238 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV018076.D
 Acq: 21 Aug 2020 15:52

Tgt Ion:146 Resp: 238748
 Ion Ratio Lower Upper
 146 100
 111 38.5 28.0 52.0
 148 63.2 44.2 82.2





#65

1,2-Dichlorobenzene

Concen: 47.504 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018076.D

Acq: 21 Aug 2020 15:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

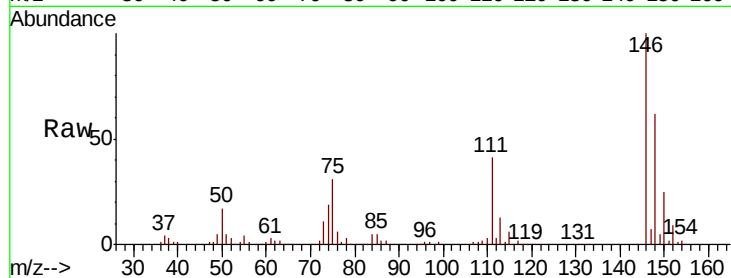
Tot Ion:146 Resp: 235571

Ion Ratio Lower Upper

146 100

111 41.5 34.2 51.4

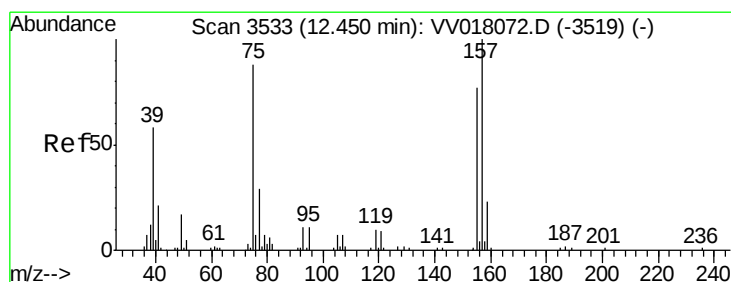
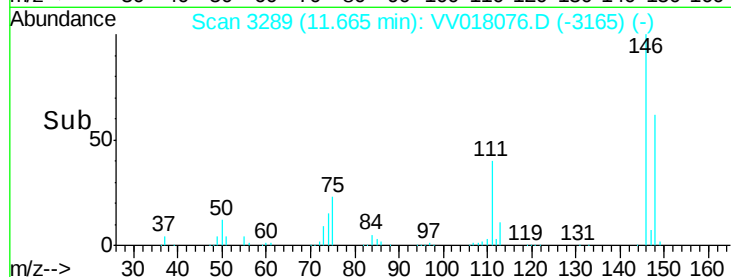
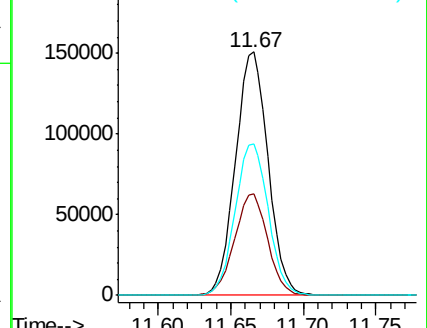
148 62.3 50.6 76.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 46.745 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV018076.D

Acq: 21 Aug 2020 15:52

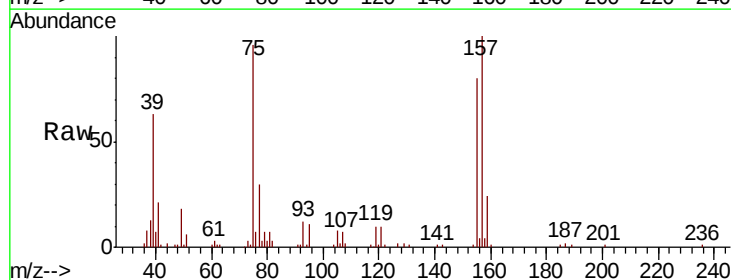
Tgt Ion: 75 Resp: 34154

Ion Ratio Lower Upper

75 100

155 83.3 67.6 101.4

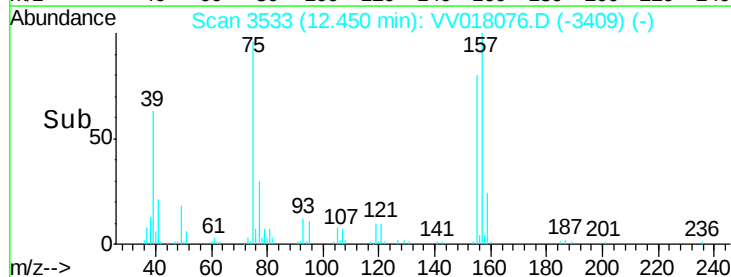
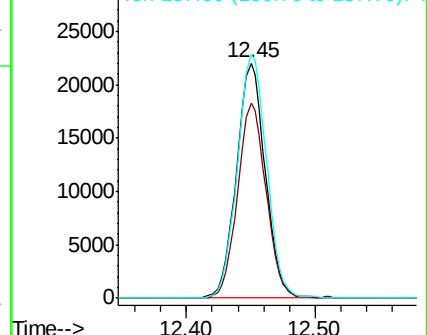
157 103.7 84.3 126.5

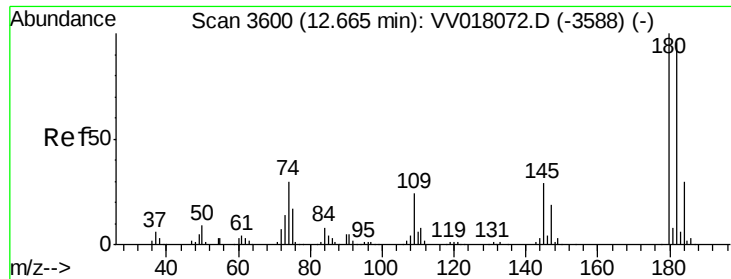


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

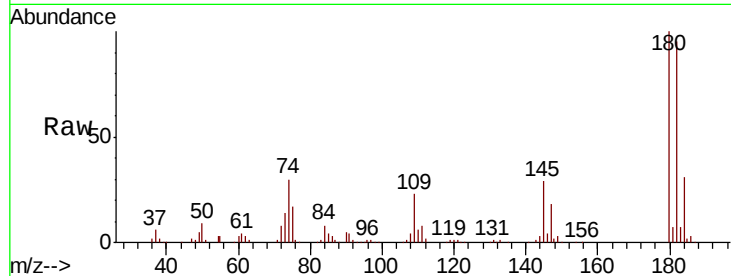




#67
 1,3,5-Trichlorobenzene
 Concen: 50.393 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV018076.D
 Acq: 21 Aug 2020 15:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.2	115.8
184	30.8	24.6	36.8
145	28.8	23.5	35.3

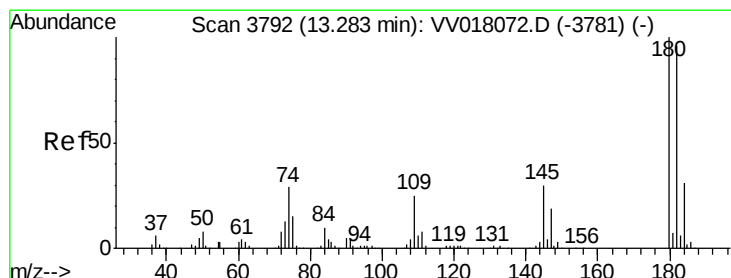
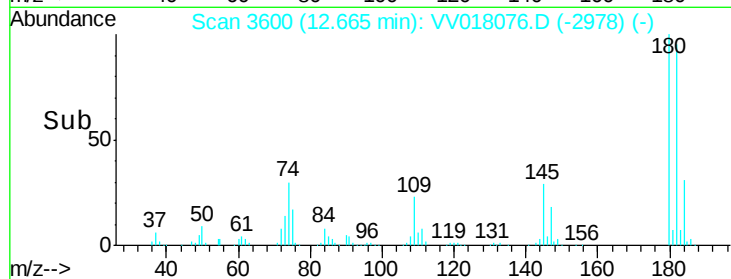
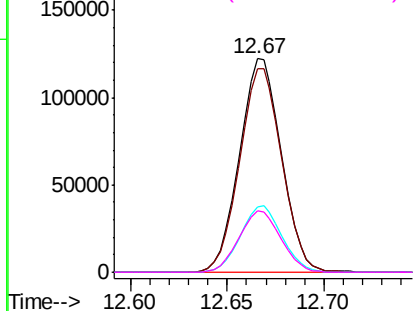


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

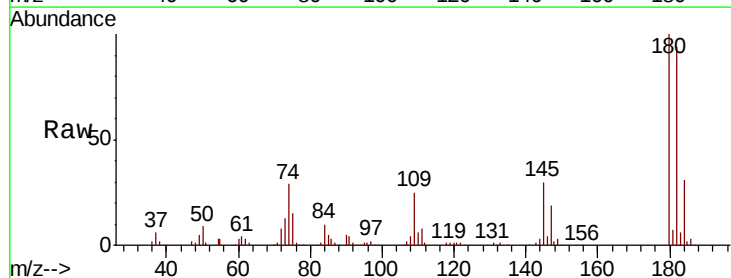
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 52.932 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV018076.D
 Acq: 21 Aug 2020 15:52

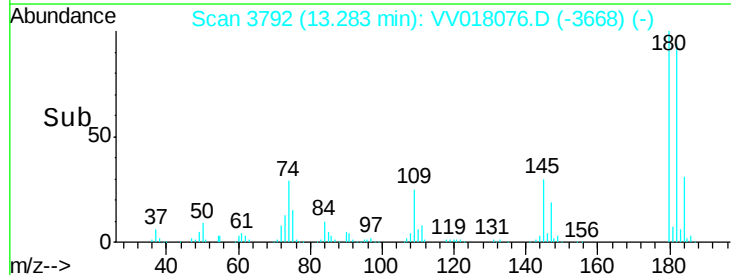
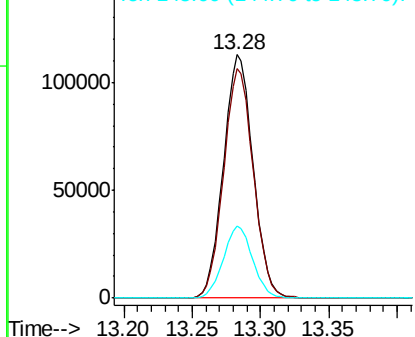
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.4	114.6
145	29.2	24.0	36.0

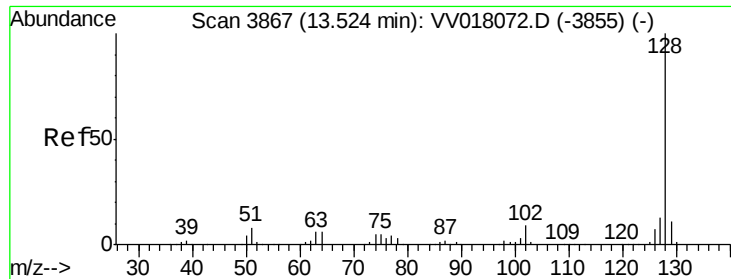


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 50.692 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV018076.D

Acq: 21 Aug 2020 15:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

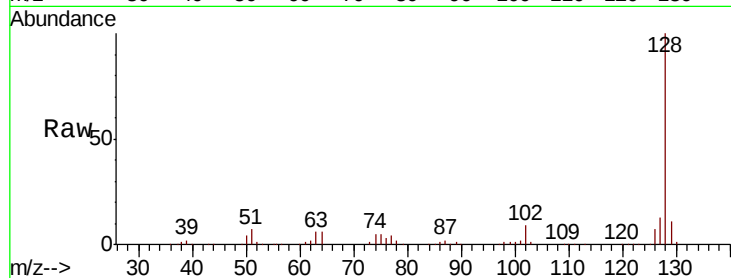
Tot Ion:128 Resp: 449586

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

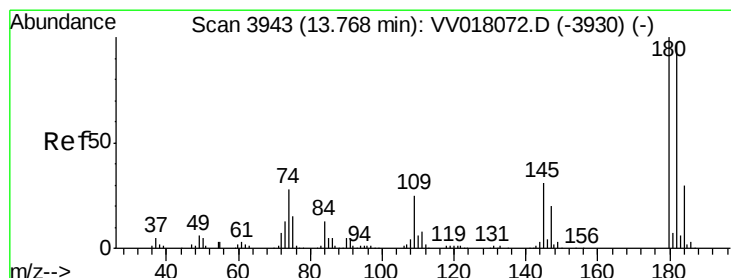
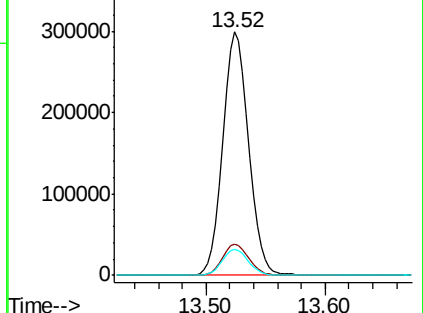
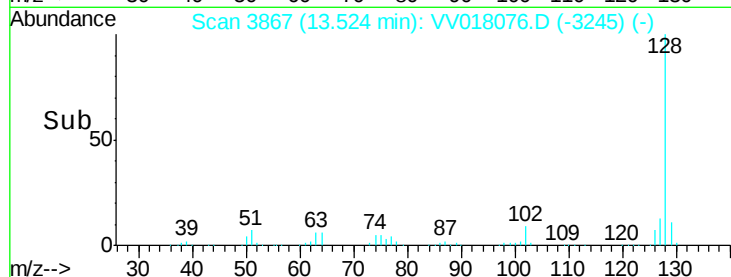
129 10.9 8.7 13.1



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: 51.851 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV018076.D

Acq: 21 Aug 2020 15:52

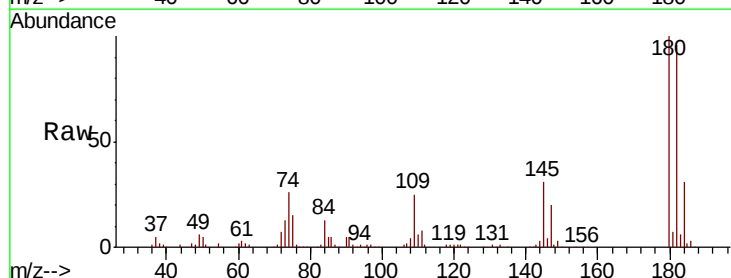
Tgt Ion:180 Resp: 169673

Ion Ratio Lower Upper

180 100

182 95.1 76.5 114.7

145 31.5 26.0 39.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

