

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121820\
 Data File : VV019723.D
 Acq On : 19 Dec 2020 02:54
 Operator : SY/MD
 Sample : L5131-11 40X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05096

Quant Time: Dec 19 07:02:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 19 07:00:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	572963	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	543837	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	275315	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	181714	44.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.46%
7) Chloroethane-d5	1.57	69	153053	47.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.46%
11) 1,1-Dichloroethene-d2	2.11	63	360440	47.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.54%
21) 2-Butanone-d5	3.89	46	313944	140.58	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	140.58%#
24) Chloroform-d	4.35	84	368218	49.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.46%
26) 1,2-Dichloroethane-d4	5.04	65	243340	50.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.58%
32) Benzene-d6	5.05	84	694908	47.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.82%
36) 1,2-Dichloropropane-d6	6.07	67	224992	49.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.04%
41) Toluene-d8	7.32	98	611160	46.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.60%
43) trans-1,3-Dichloropropene-	7.62	79	109036	42.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.38%
47) 2-Hexanone-d5	8.09	63	223687	125.44	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	125.44%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	314960	51.25	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.50%
64) 1,2-Dichlorobenzene-d4	11.63	152	237120	46.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.14%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.13	85	215902	46.693	ug/L	100
3) Chloromethane	1.24	50	237704	48.364	ug/L	99
5) Vinyl chloride	1.31	62	239091	48.498	ug/L	99
6) Bromomethane	1.52	94	140287	47.384	ug/L	99
8) Chloroethane	1.59	64	148042	49.785	ug/L	99
9) Trichlorofluoromethane	1.76	101	298369	49.537	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	166227	49.973	ug/L	99
12) 1,1-Dichloroethene	2.12	96	166936	48.906	ug/L #	81
13) Acetone	2.18	43	207574	109.108	ug/L	99
14) Carbon disulfide	2.30	76	487486	43.465	ug/L	99
15) Methyl Acetate	2.43	43	229315	55.324	ug/L	99
16) Methylene chloride	2.51	84	203031	50.732	ug/L	98
17) trans-1,2-Dichloroethene	2.76	96	182521	48.785	ug/L	99
18) Methyl tert-butyl Ether	2.77	73	640330	48.981	ug/L	99
19) 1,1-Dichloroethane	3.19	63	368717	50.834	ug/L	99
20) cis-1,2-Dichloroethene	3.92	96	204549	49.735	ug/L #	98
22) 2-Butanone	3.97	43	320015	114.674	ug/L	98

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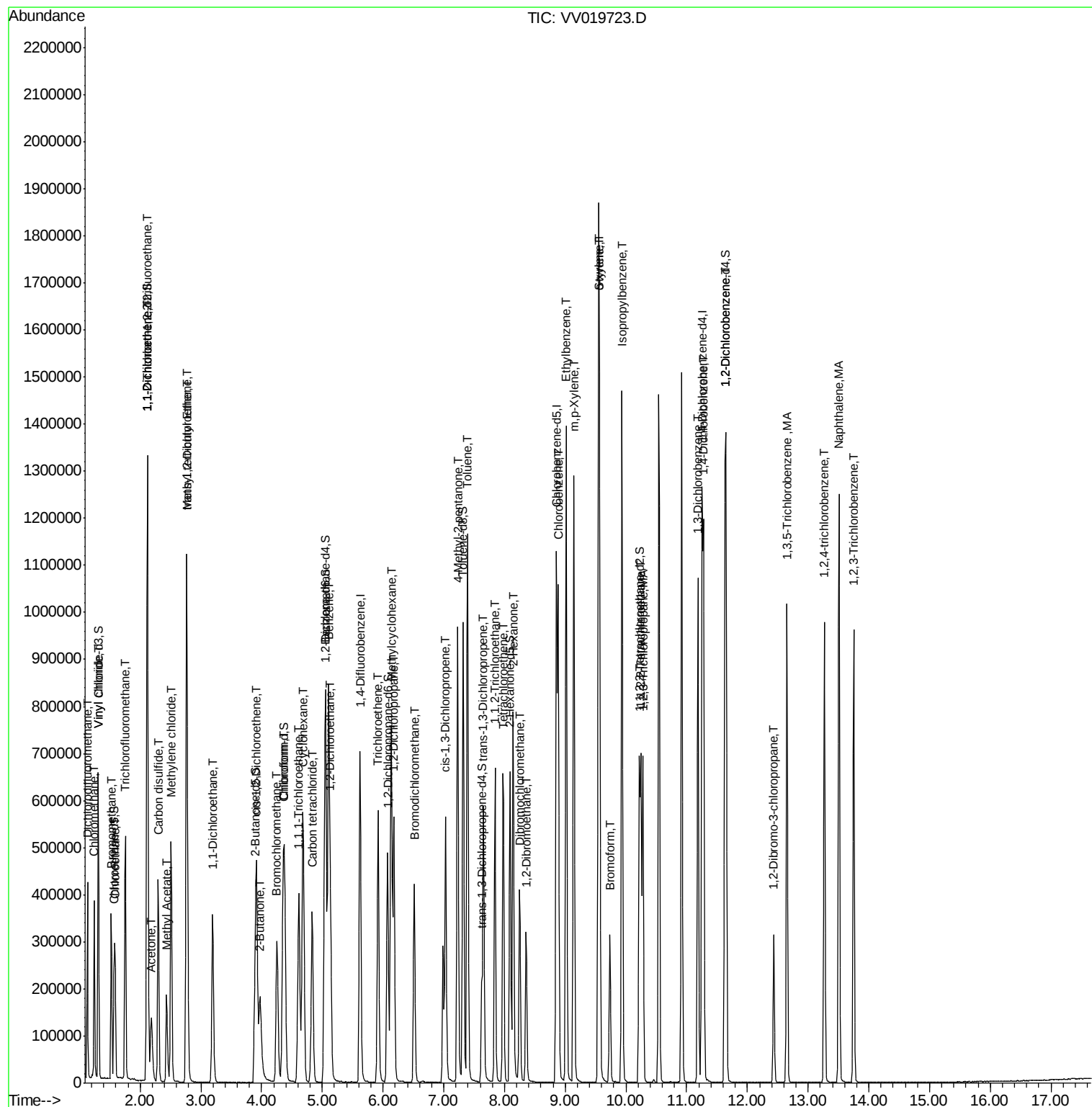
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.25	128	100397	49.613	ug/L	97
25) Chloroform	4.38	83	367305	50.704	ug/L	100
27) 1,2-Dichloroethane	5.14	62	305194	50.854	ug/L	99
29) Cyclohexane	4.68	56	321947	48.302	ug/L	98
30) 1,1,1-Trichloroethane	4.61	97	320499	47.001	ug/L	99
31) Carbon tetrachloride	4.83	117	262312	45.568	ug/L	99
33) Benzene	5.10	78	791870	49.822	ug/L	100
34) Trichloroethene	5.92	95	203066	48.365	ug/L	99
35) Methylcyclohexane	6.14	83	307817	48.259	ug/L	99
37) 1,2-Dichloropropane	6.18	63	214404	51.655	ug/L	100
38) Bromodichloromethane	6.51	83	276267	47.599	ug/L	98
39) cis-1,3-Dichloropropene	7.03	75	327510	47.508	ug/L	100
40) 4-Methyl-2-pentanone	7.23	43	637520	106.461	ug/L	98
42) Toluene	7.39	91	816197	48.723	ug/L	100
44) trans-1,3-Dichloropropene	7.65	75	314698	45.084	ug/L	98
45) 1,1,2-Trichloroethane	7.84	97	195250	49.535	ug/L	98
46) Tetrachloroethene	7.98	164	133182	45.842	ug/L	99
48) 2-Hexanone	8.14	43	491122	108.086	ug/L	98
49) Dibromochloromethane	8.25	129	199242	46.157	ug/L	99
50) 1,2-Dibromoethane	8.36	107	202182	48.710	ug/L	98
51) Chlorobenzene	8.88	112	521464	48.739	ug/L	99
52) Ethylbenzene	9.02	91	921927	48.304	ug/L	100
53) m,p-Xylene	9.14	106	339482	47.610	ug/L	98
54) o-xylene	9.55	106	334303	47.832	ug/L	100
55) Styrene	9.56	104	588148	48.284	ug/L	100
56) Isopropylbenzene	9.94	105	900602	48.369	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.24	83	317443	50.080	ug/L	99
59) 1,2,3-Trichloropropane	10.28	75	267235	51.761	ug/L	100
61) Bromoform	9.74	173	126642	41.572	ug/L	99
62) 1,3-Dichlorobenzene	11.19	146	389561	46.119	ug/L	100
63) 1,4-Dichlorobenzene	11.28	146	396294	46.331	ug/L	99
65) 1,2-Dichlorobenzene	11.65	146	395975	47.441	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.43	75	77959	44.745	ug/L	93
67) 1,3,5-Trichlorobenzene	12.65	180	276485	46.328	ug/L	100
68) 1,2,4-trichlorobenzene	13.27	180	253248	45.384	ug/L	99
69) Naphthalene	13.51	128	886166	45.736	ug/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	250938	46.017	ug/L	99

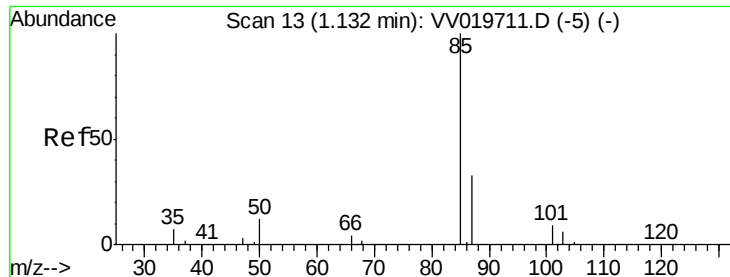
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 46.693 ug/L

RT: 1.13 min Scan# 12

Delta R.T. -0.00 min

Lab File: VV019723.D

Acq: 19 Dec 2020 02:54

Instrument :

MSVOA_V

ClientSampleId :

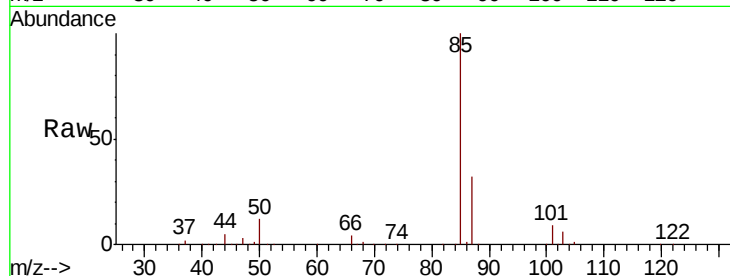
VSTD05096

Tot Ion: 85 Resp: 215902

Ion Ratio Lower Upper

85 100

87 32.0 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.13

250000

200000

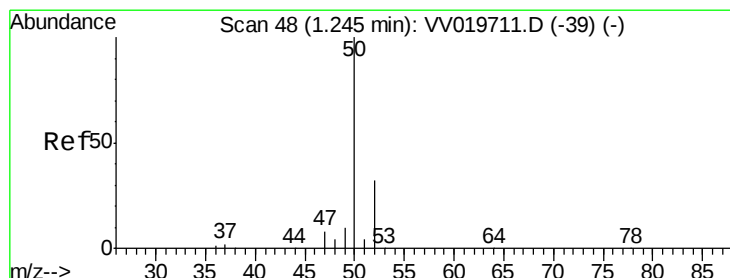
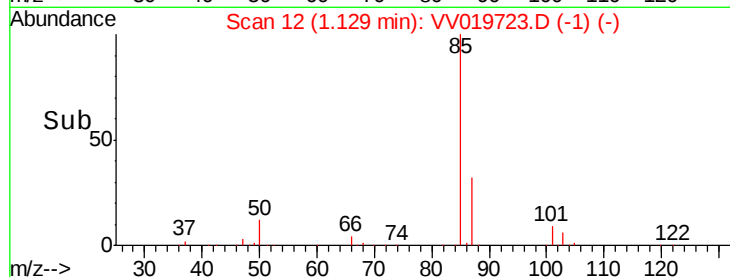
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 48.364 ug/L

RT: 1.24 min Scan# 48

Delta R.T. 0.00 min

Lab File: VV019723.D

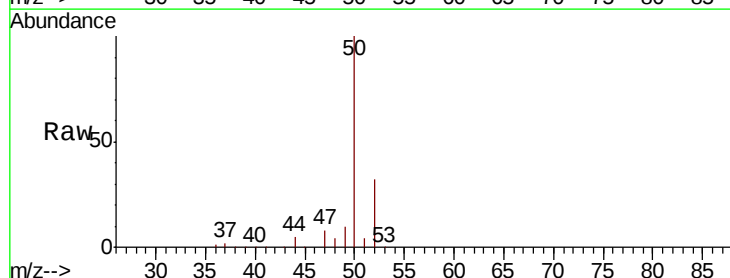
Acq: 19 Dec 2020 02:54

Tgt Ion: 50 Resp: 237704

Ion Ratio Lower Upper

50 100

52 32.3 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.24

250000

200000

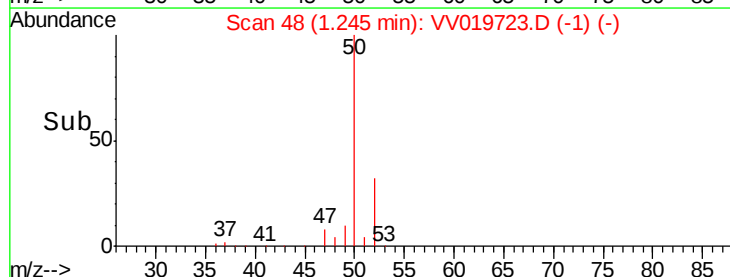
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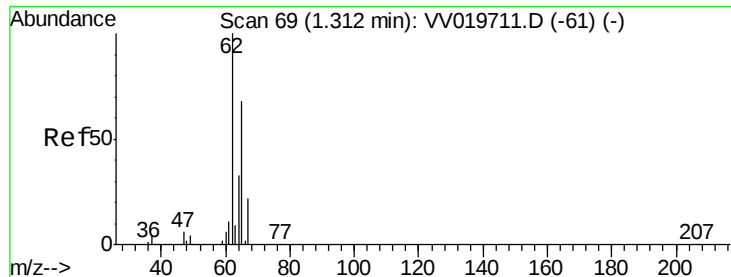
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 48.498 ug/L

RT: 1.31 min Scan# 69

Delta R.T. 0.00 min

Lab File: VV019723.D

Acq: 19 Dec 2020 02:54

Instrument :

MSVOA_V

ClientSampled :

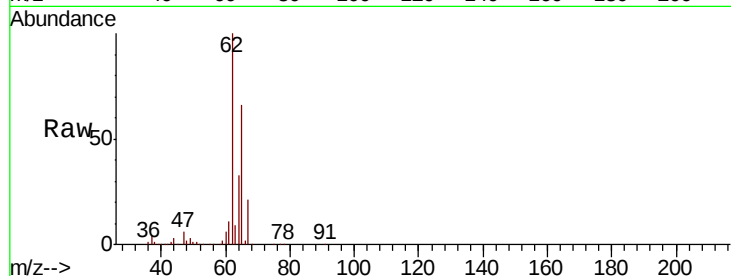
VSTD05096

Tot Ion: 62 Resp: 239091

Ion Ratio Lower Upper

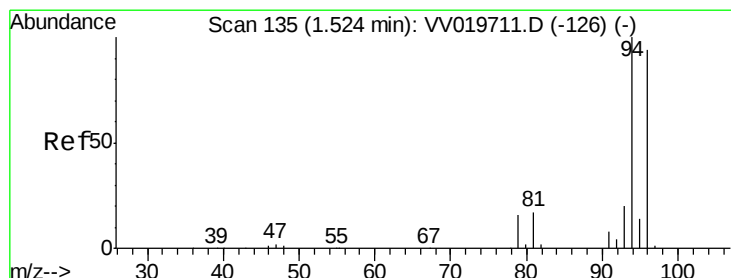
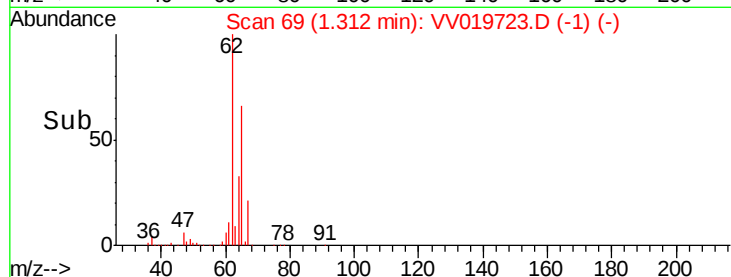
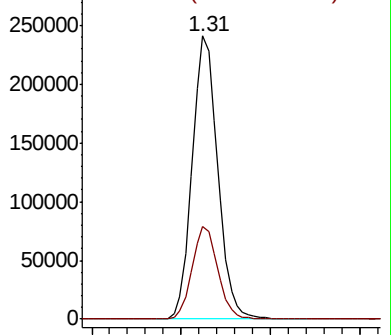
62 100

64 32.9 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 47.384 ug/L

RT: 1.52 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV019723.D

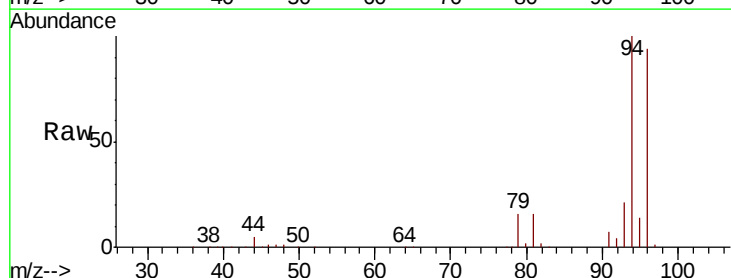
Acq: 19 Dec 2020 02:54

Tgt Ion: 94 Resp: 140287

Ion Ratio Lower Upper

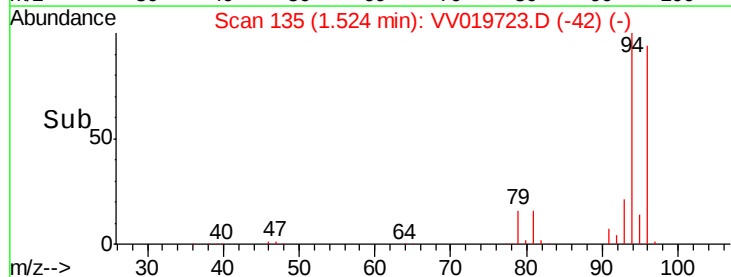
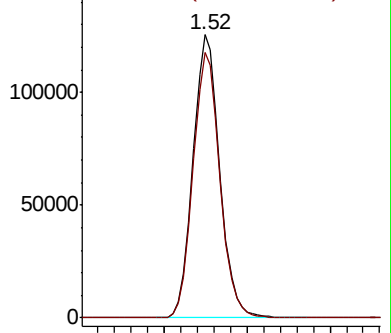
94 100

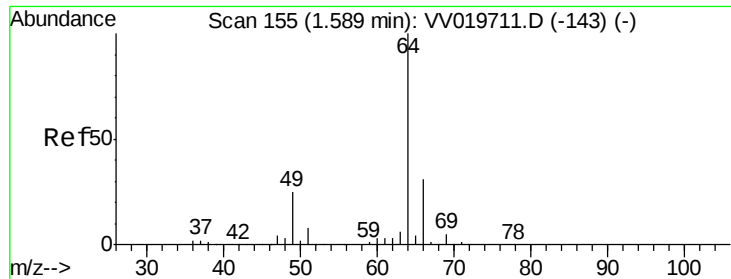
96 93.9 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

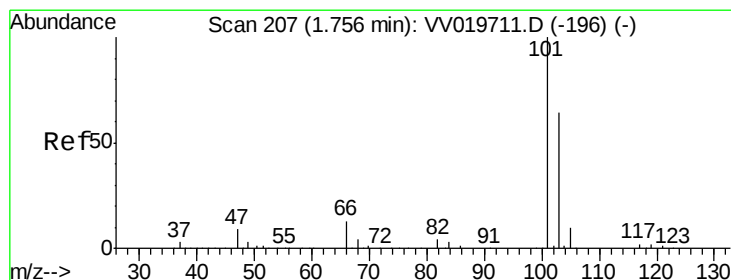
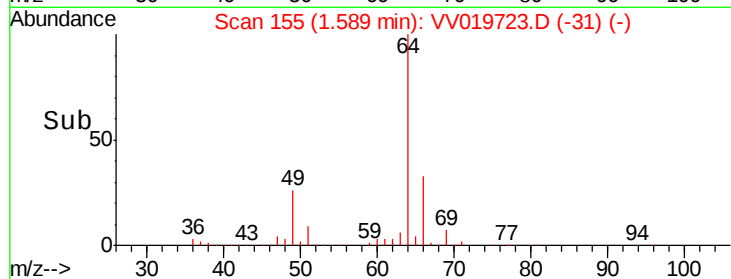
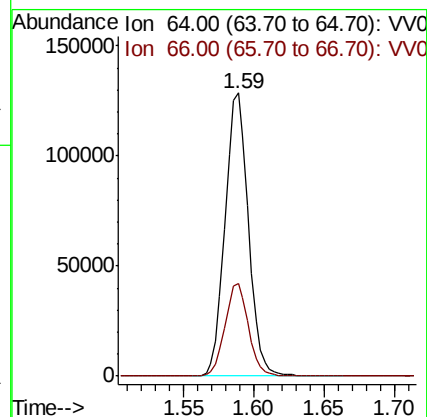
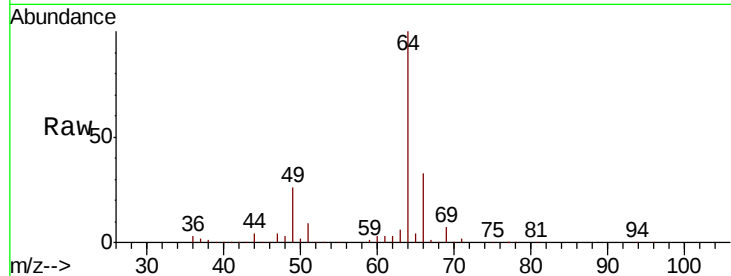




#8
Chloroethane
Concen: 49.785 ug/L
RT: 1.59 min Scan# 155
Delta R.T. 0.00 min
Lab File: VV019723.D
Acq: 19 Dec 2020 02:54

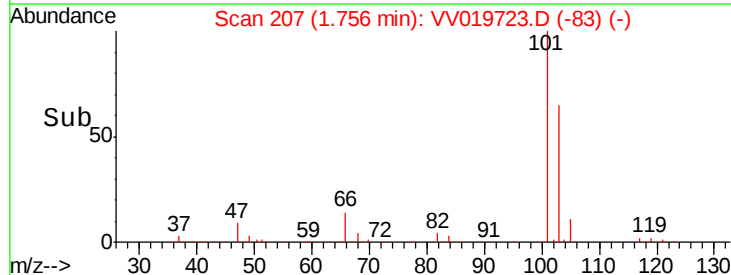
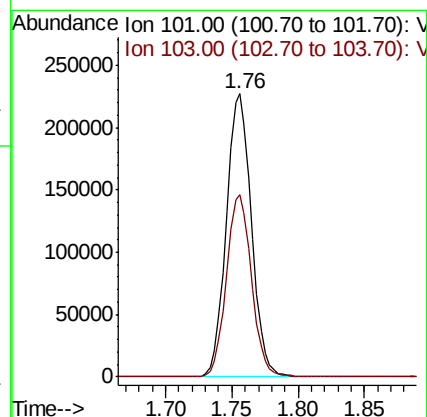
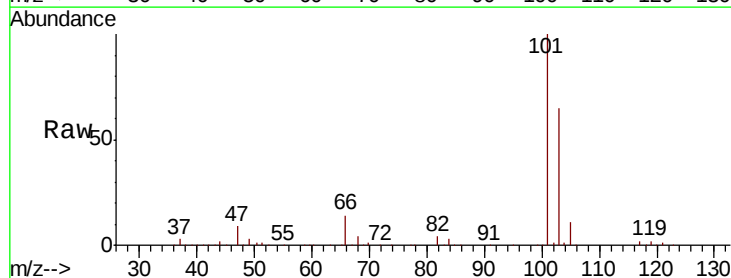
Instrument :
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VSTD05096

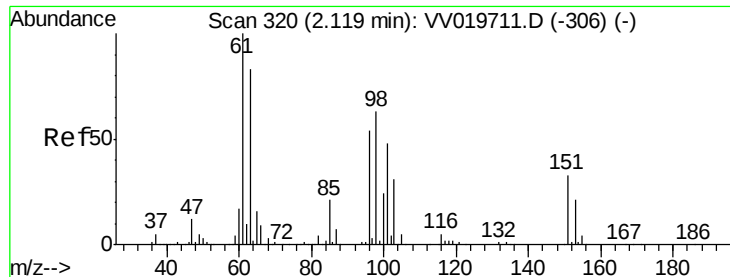
Tot Ion: 64 Resp: 148042
Ion Ratio Lower Upper
64 100
66 32.7 22.5 41.7



#9
Trichlorofluoromethane
Concen: 49.537 ug/L
RT: 1.76 min Scan# 207
Delta R.T. 0.00 min
Lab File: VV019723.D
Acq: 19 Dec 2020 02:54

Tgt Ion: 101 Resp: 298369
Ion Ratio Lower Upper
101 100
103 64.4 51.6 77.4





#10

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

Concen: 49.973 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.00 min

Lab File: VV019723.D

Acq: 19 Dec 2020 02:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD05096

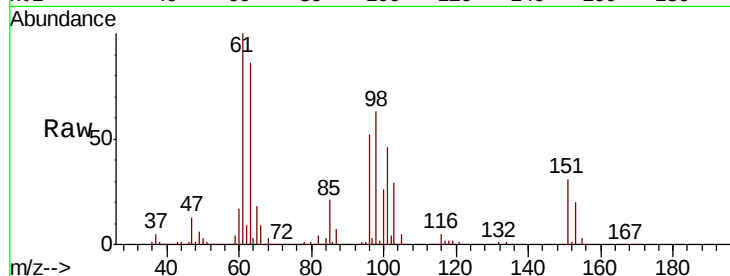
Tot Ion:101 Resp: 166227

Ion Ratio Lower Upper

101 100

85 45.0 35.0 52.4

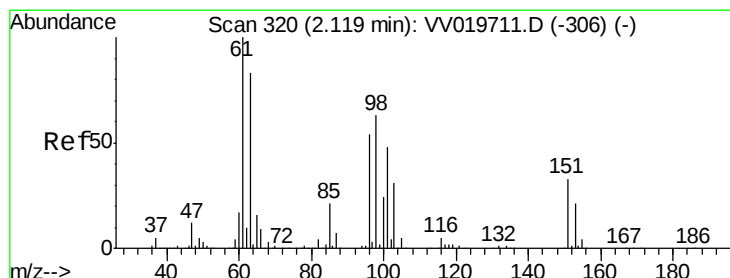
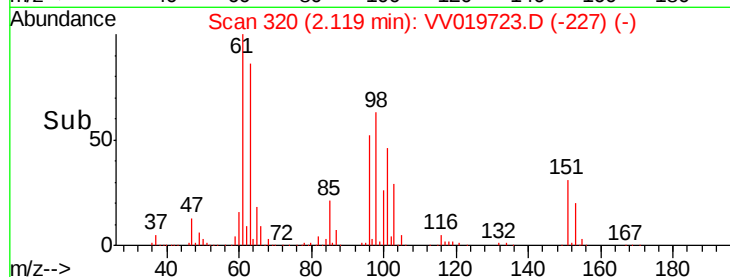
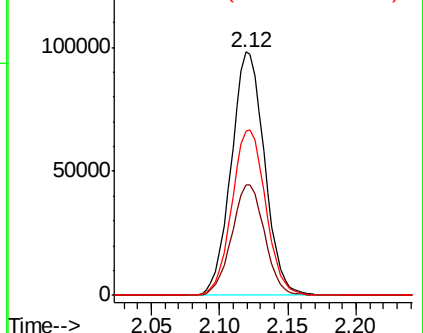
151 69.1 55.8 83.8



Abundance Ion 101.00 (100.70 to 101.70): VV019723.D (-227) (-)

Ion 85.00 (84.70 to 85.70): VV019723.D (-227) (-)

Ion 151.00 (150.70 to 151.70): VV019723.D (-227) (-)



#12

1,1-Dichloroethene

Concen: 48.906 ug/L

RT: 2.12 min Scan# 321

Delta R.T. 0.00 min

Lab File: VV019723.D

Acq: 19 Dec 2020 02:54

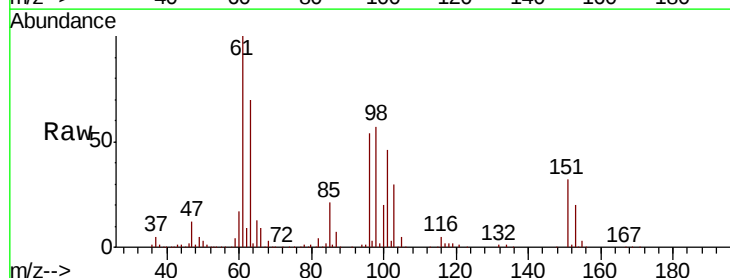
Tgt Ion: 96 Resp: 166936

Ion Ratio Lower Upper

96 100

61 184.0 120.7 224.1

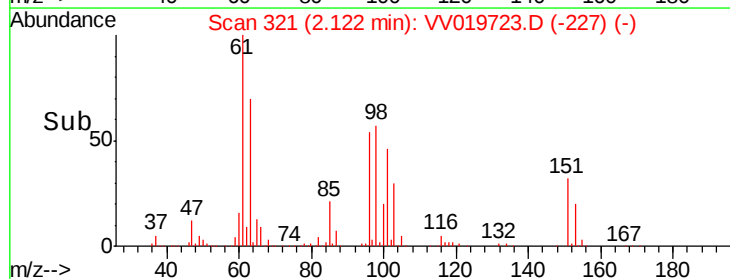
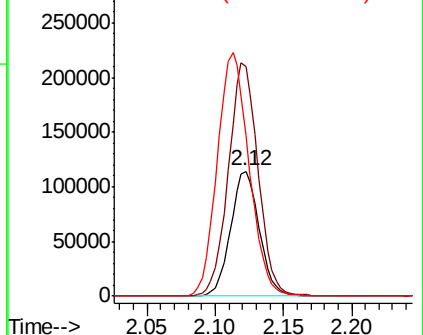
63 128.7 64.3 119.5#

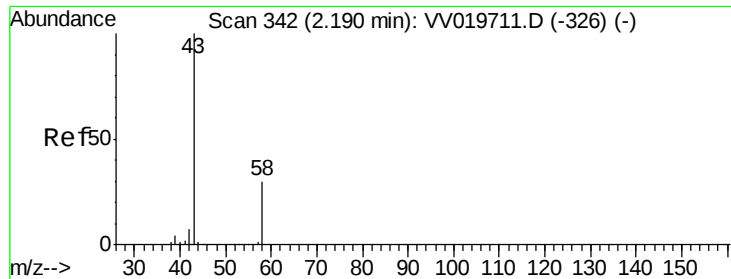


Abundance Ion 96.00 (95.70 to 96.70): VV019723.D (-227) (-)

Ion 61.00 (60.70 to 61.70): VV019723.D (-227) (-)

Ion 63.00 (62.70 to 63.70): VV019723.D (-227) (-)





#13

Acetone

Concen: 109.108 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.01 min

Lab File: VV019723.D

Acq: 19 Dec 2020 02:54

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ClientSampleId :

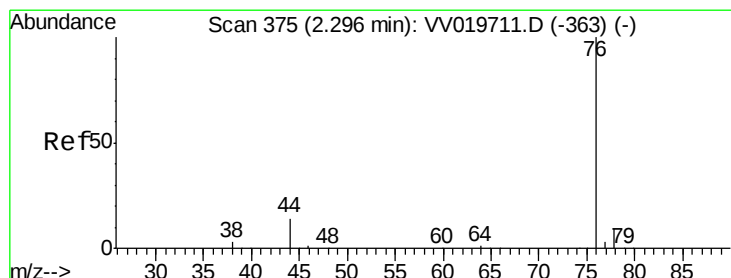
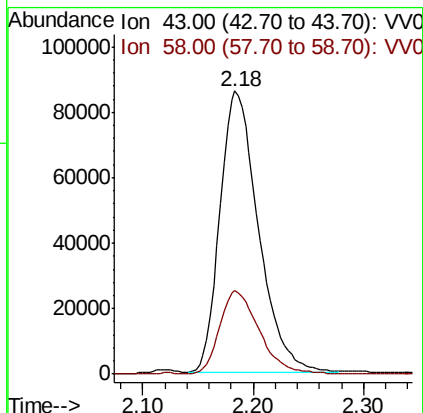
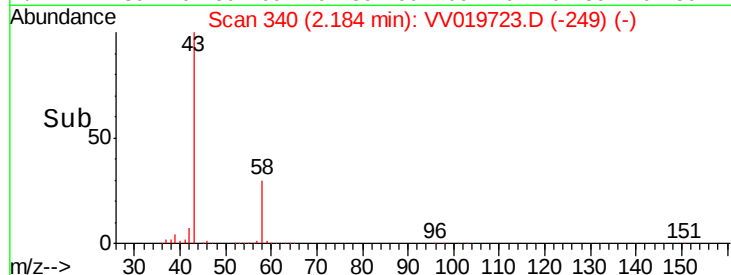
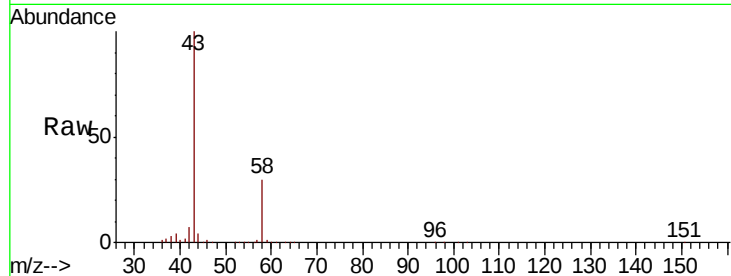
VSTD05096

Tot Ion: 43 Resp: 207574

Ion Ratio Lower Upper

43 100

58 30.2 0.0 61.6



#14

Carbon disulfide

Concen: 43.465 ug/L

RT: 2.30 min Scan# 376

Delta R.T. 0.00 min

Lab File: VV019723.D

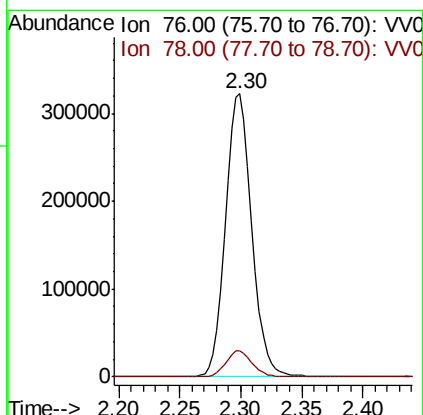
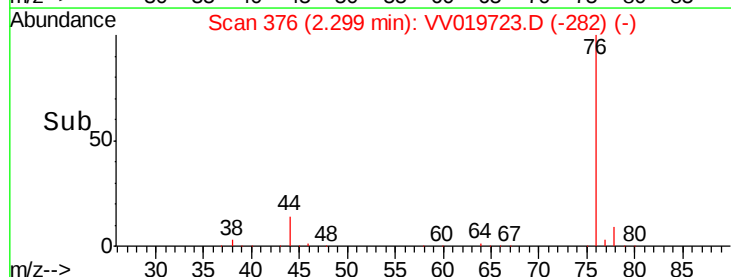
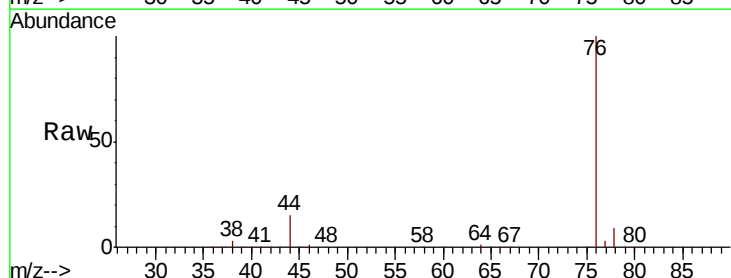
Acq: 19 Dec 2020 02:54

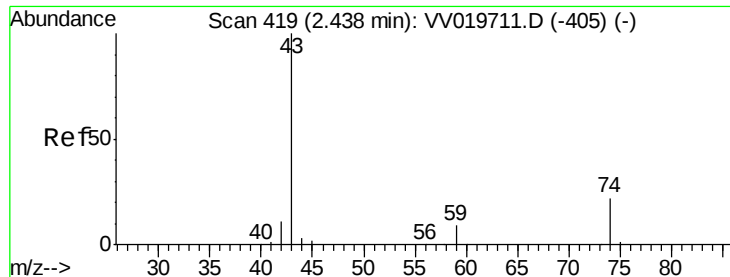
Tgt Ion: 76 Resp: 487486

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8

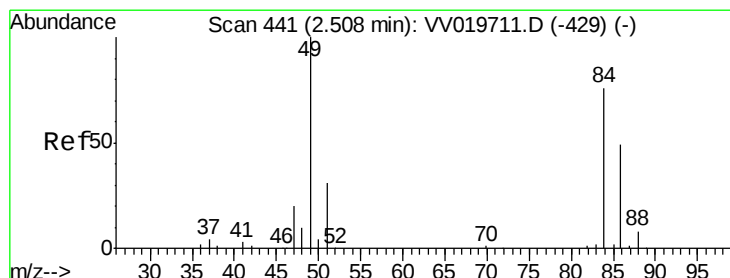
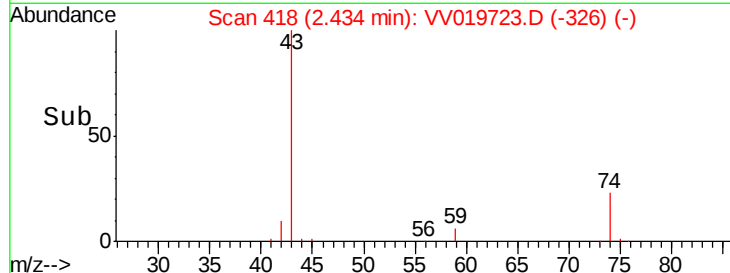
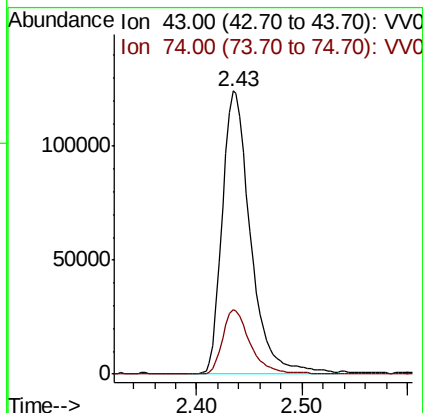
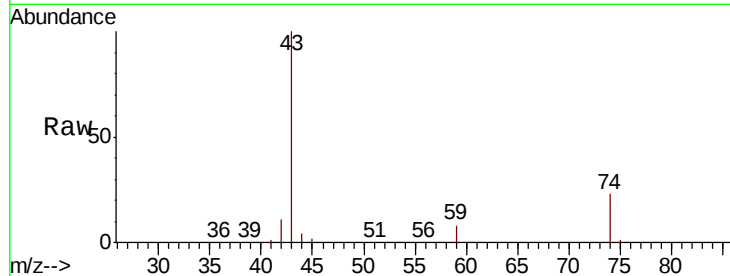




#15
Methvl Acetate
Concen: 55.324 ug/L
RT: 2.43 min Scan# 418
Delta R.T. -0.00 min
Lab File: VV019723.D
Acq: 19 Dec 2020 02:54

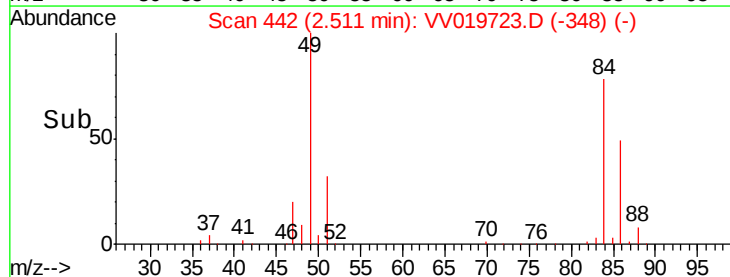
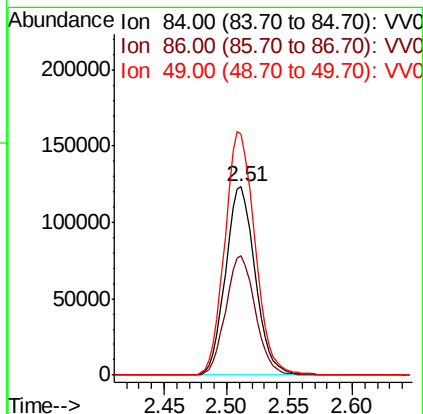
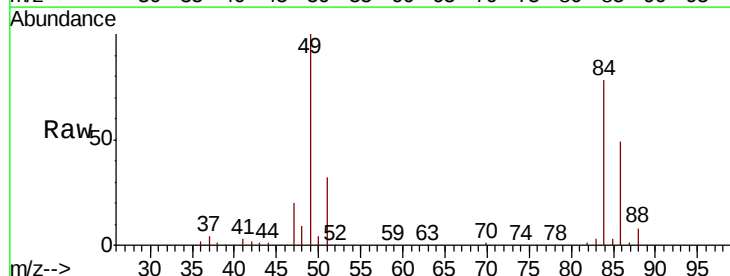
Instrument :
MSVOA_V
ClientSampled :
VSTD05096

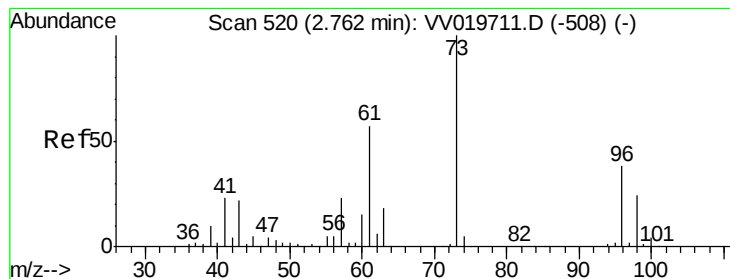
Tot Ion: 43 Resp: 229315
Ion Ratio Lower Upper
43 100
74 22.5 18.2 27.4



#16
Methylene chloride
Concen: 50.732 ug/L
RT: 2.51 min Scan# 442
Delta R.T. 0.00 min
Lab File: VV019723.D
Acq: 19 Dec 2020 02:54

Tgt Ion: 84 Resp: 203031
Ion Ratio Lower Upper
84 100
86 63.4 45.7 84.9
49 128.2 90.6 168.3





#17

trans-1,2-Dichloroethene

Concen: 48.785 ug/L

RT: 2.76 min Scan# 520

Delta R.T. 0.00 min

Lab File: VV019723.D

Acq: 19 Dec 2020 02:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD05096

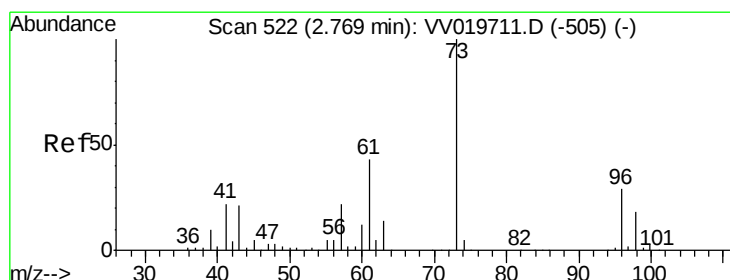
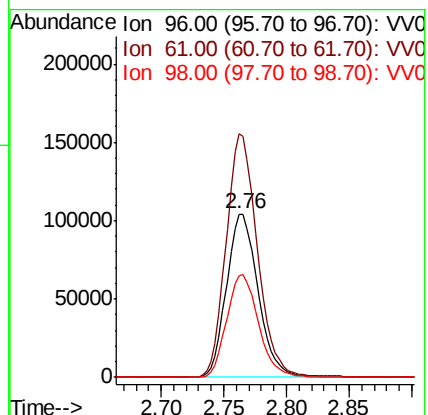
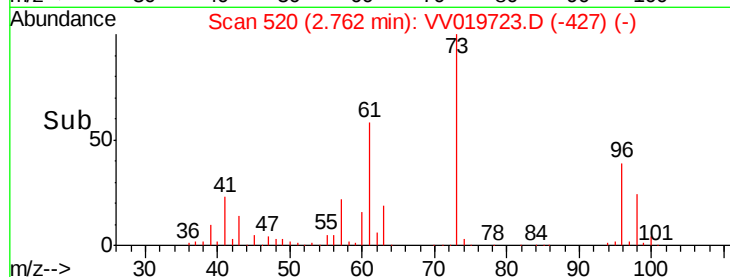
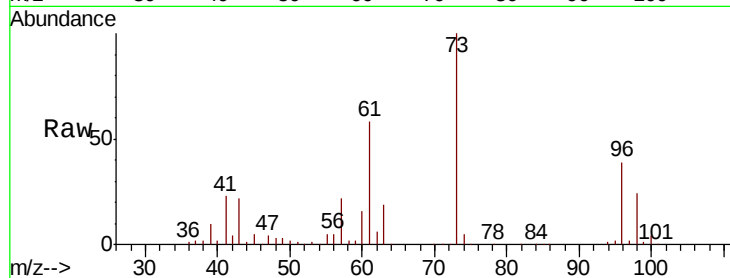
Tot Ion: 96 Resp: 182521

Ion Ratio Lower Upper

96 100

61 149.2 103.5 192.1

98 62.4 44.4 82.5



#18

Methyl tert-butyl Ether

Concen: 48.981 ug/L

RT: 2.77 min Scan# 522

Delta R.T. 0.00 min

Lab File: VV019723.D

Acq: 19 Dec 2020 02:54

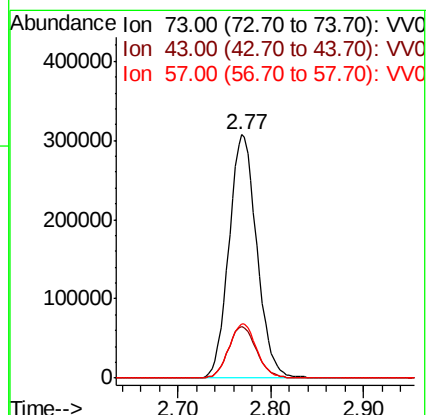
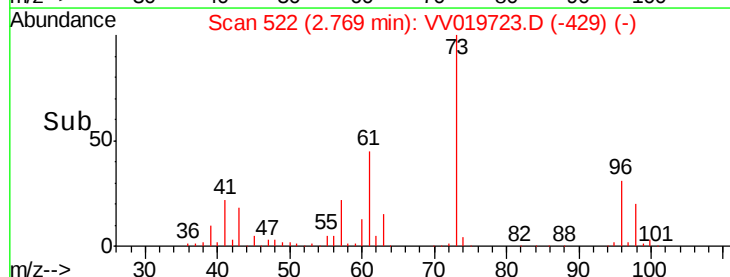
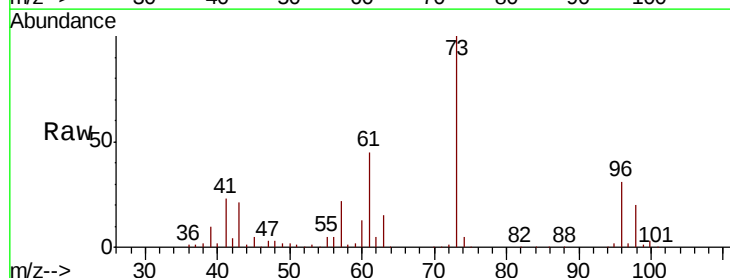
Tgt Ion: 73 Resp: 640330

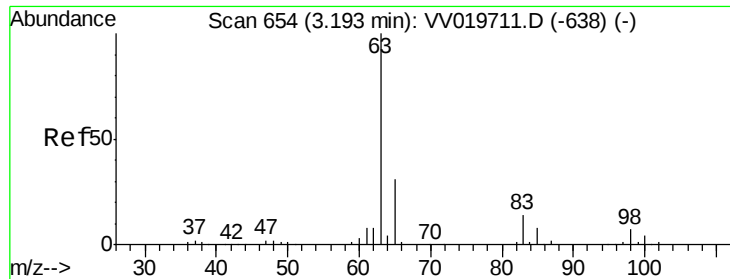
Ion Ratio Lower Upper

73 100

43 21.3 17.3 25.9

57 22.2 17.5 26.3





#19

1,1-Dichloroethane

Concen: 50.834 ug/L

RT: 3.19 min Scan# 654

Delta R.T. 0.00 min

Lab File: VV019723.D

Acq: 19 Dec 2020 02:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD05096

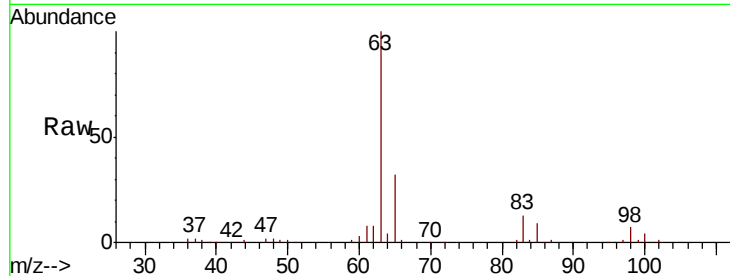
Tot Ion: 63 Resp: 368717

Ion Ratio Lower Upper

63 100

65 31.7 22.4 41.6

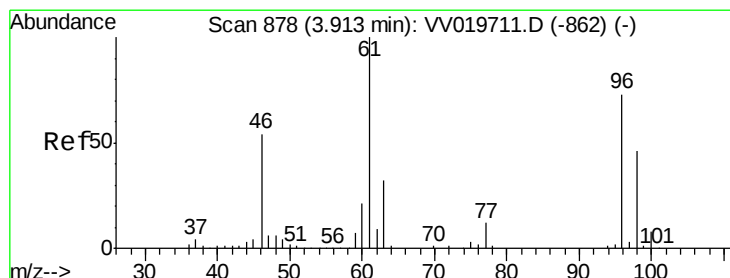
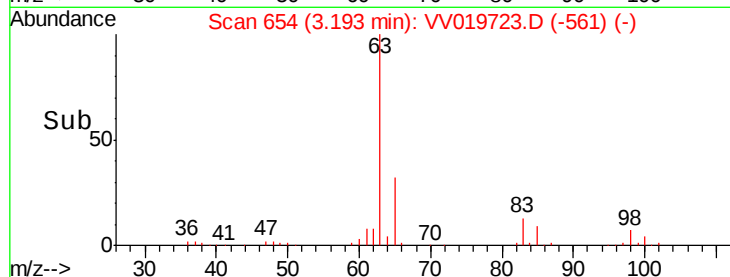
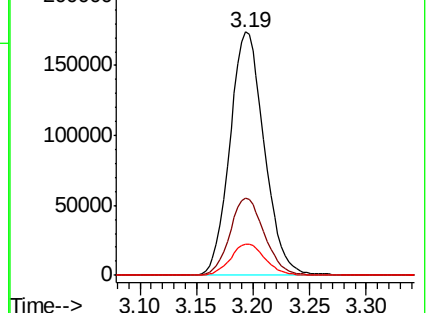
83 12.9 9.6 17.8



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: 49.735 ug/L

RT: 3.92 min Scan# 879

Delta R.T. 0.00 min

Lab File: VV019723.D

Acq: 19 Dec 2020 02:54

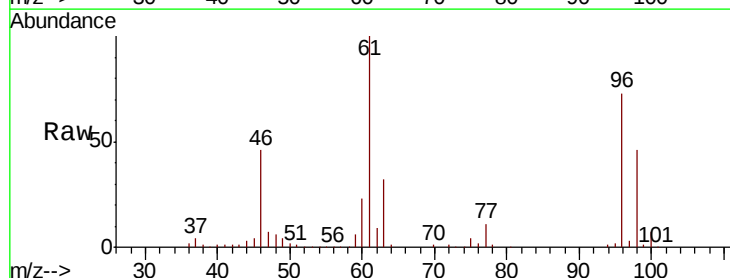
Tgt Ion: 96 Resp: 204549

Ion Ratio Lower Upper

96 100

61 137.4 94.1 174.8

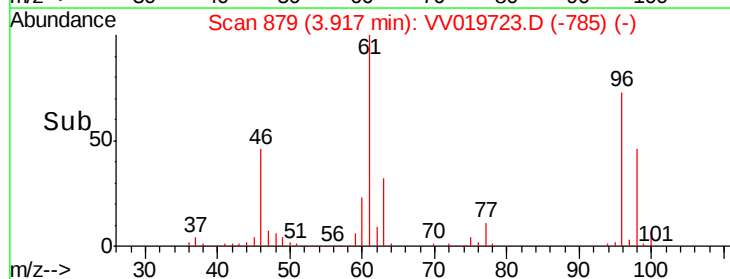
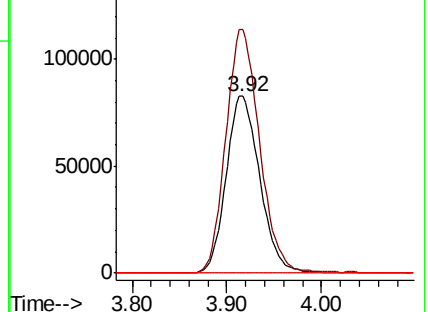
68 0.0 0.1 0.1#

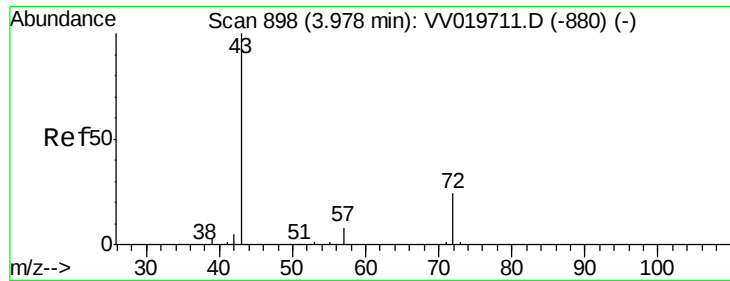


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 114.674 ug/L

RT: 3.97 min Scan# 897

Delta R.T. -0.00 min

Lab File: VV019723.D

Acq: 19 Dec 2020 02:54

Instrument :

MSVOA_V

ClientSampleId :

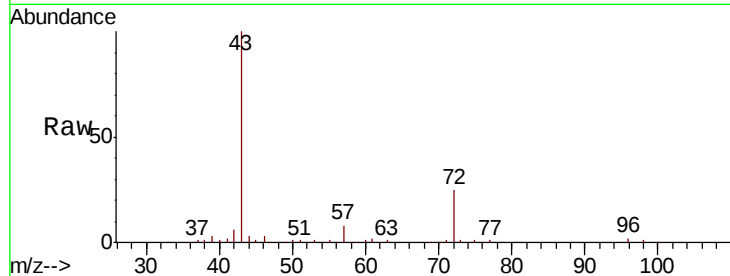
VSTD05096

Tot Ion: 43 Resp: 320015

Ion Ratio Lower Upper

43 100

72 23.7 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VV019723.D (-805) (-)

Ion 72.00 (71.70 to 72.70): VV019723.D (-805) (-)

3.97

120000

100000

80000

60000

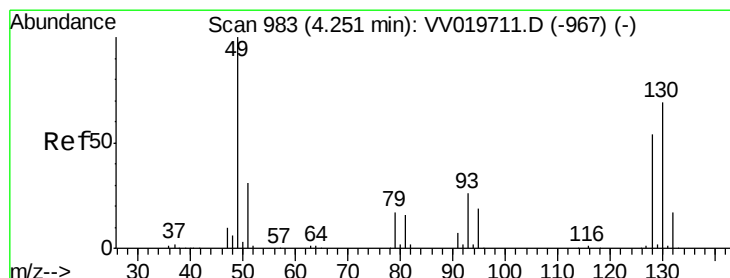
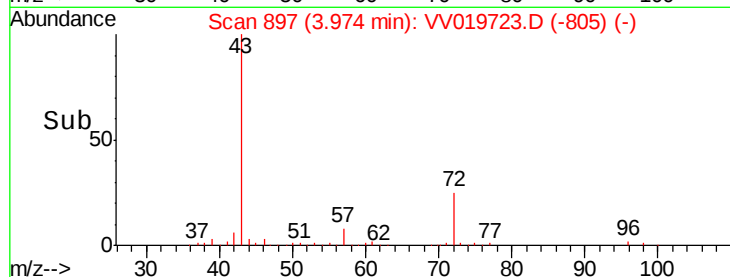
40000

20000

0

3.90 4.00 4.10

Time-->



#23

Bromochloromethane

Concen: 49.613 ug/L

RT: 4.25 min Scan# 984

Delta R.T. 0.00 min

Lab File: VV019723.D

Acq: 19 Dec 2020 02:54

Tgt Ion: 128 Resp: 100397

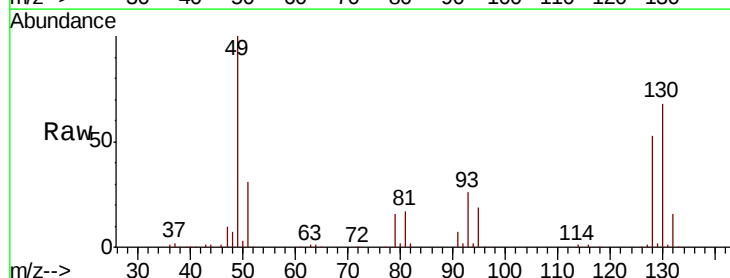
Ion Ratio Lower Upper

128 100

49 187.8 127.0 235.8

130 127.6 90.3 167.7

51 58.9 44.5 66.7



Abundance Ion 128.00 (127.70 to 128.70): VV019723.D (-890) (-)

Ion 49.00 (48.70 to 49.70): VV019723.D (-890) (-)

Ion 130.00 (129.70 to 130.70): VV019723.D (-890) (-)

Ion 51.00 (50.70 to 51.70): VV019723.D (-890) (-)

4.25

120000

100000

80000

60000

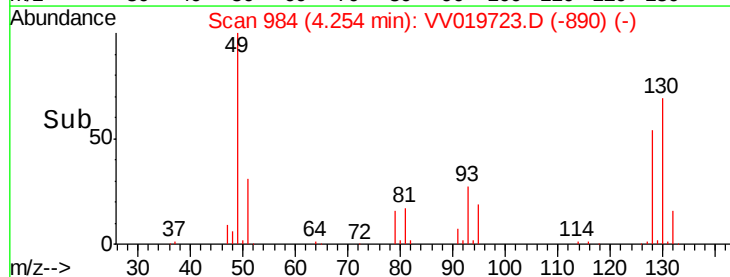
40000

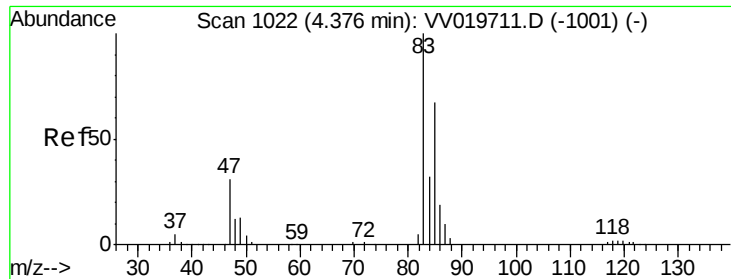
20000

0

4.20 4.30

Time-->

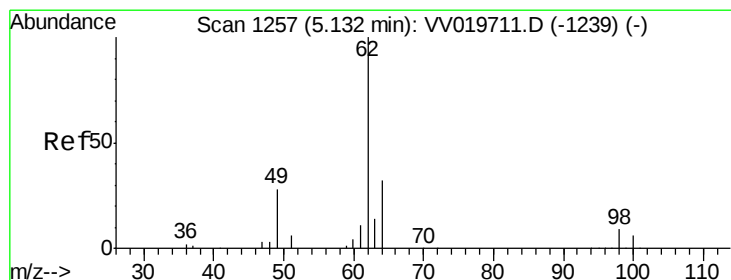
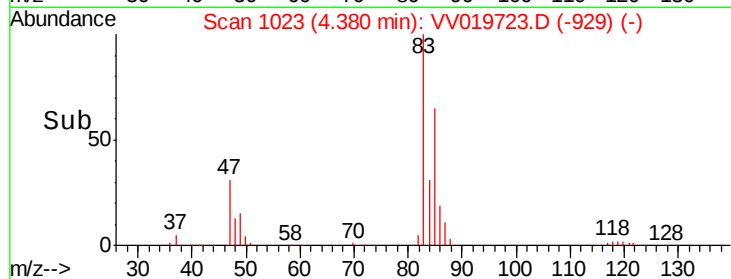
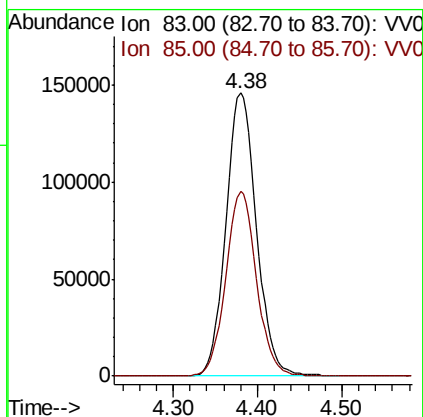
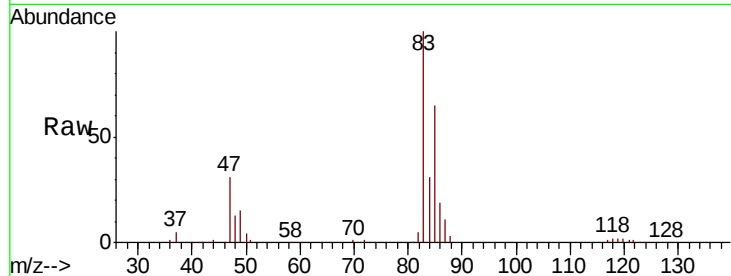




#25
Chloroform
Concen: 50.704 ug/L
RT: 4.38 min Scan# 1023
Delta R.T. 0.00 min
Lab File: VV019723.D
Acq: 19 Dec 2020 02:54

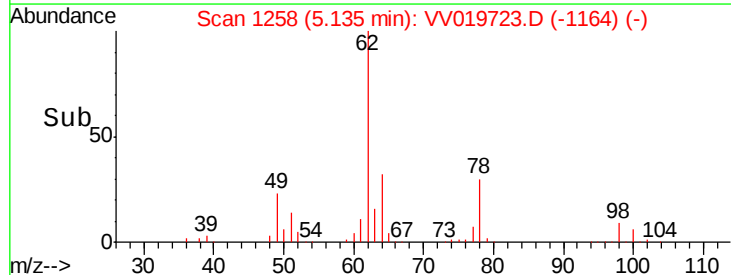
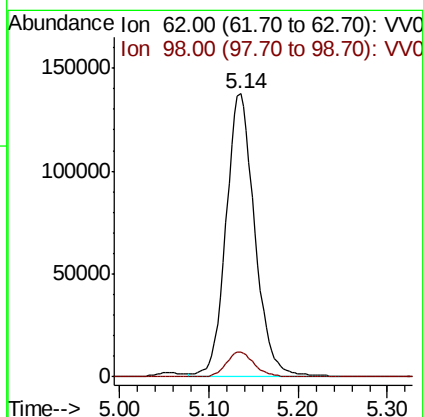
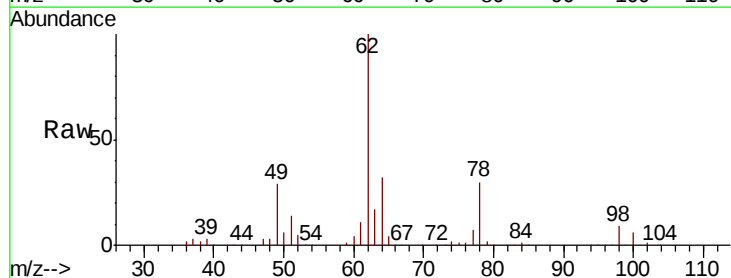
Instrument :
MSVOA_V
ClientSampleId :
VSTD05096

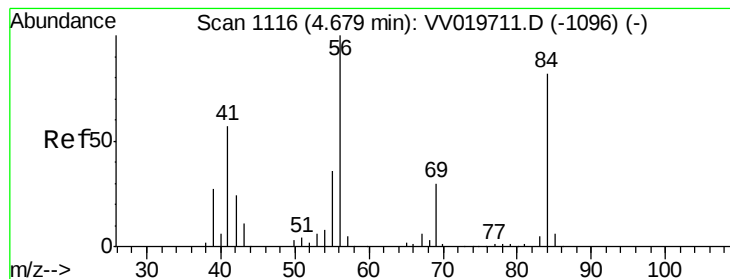
Tot Ion: 83 Resp: 367305
Ion Ratio Lower Upper
83 100
85 65.1 45.6 84.6



#27
1,2-Dichloroethane
Concen: 50.854 ug/L
RT: 5.14 min Scan# 1258
Delta R.T. 0.00 min
Lab File: VV019723.D
Acq: 19 Dec 2020 02:54

Tgt Ion: 62 Resp: 305194
Ion Ratio Lower Upper
62 100
98 8.7 7.4 11.0





#29

Cyclohexane

Concen: 48.302 ug/L

RT: 4.68 min Scan# 1118

Delta R.T. 0.01 min

Lab File: VV019723.D

Acq: 19 Dec 2020 02:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD05096

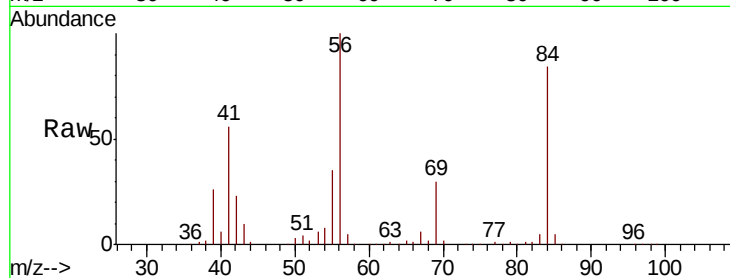
Tot Ion: 56 Resp: 321947

Ion Ratio Lower Upper

56 100

69 30.2 24.6 37.0

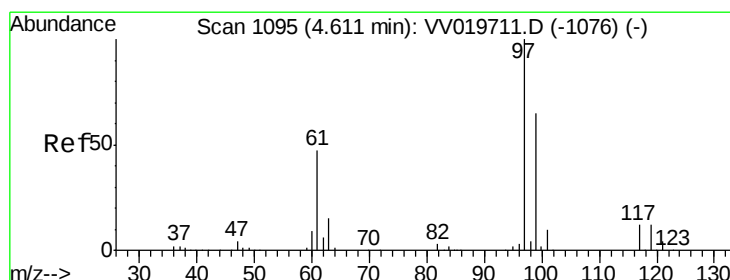
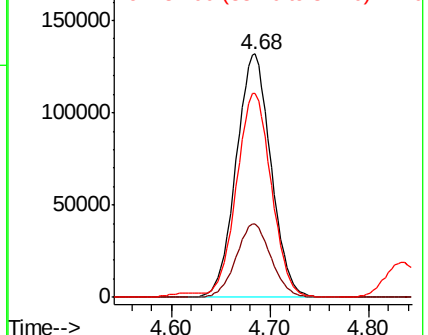
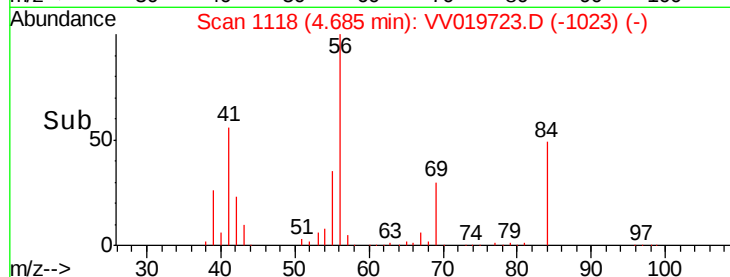
84 83.4 68.2 102.4



Abundance Ion 56.00 (55.70 to 56.70): VV019723.D (-1023) (-)

Ion 69.00 (68.70 to 69.70): VV019723.D (-1023) (-)

Ion 84.00 (83.70 to 84.70): VV019723.D (-1023) (-)



#30

1,1,1-Trichloroethane

Concen: 47.001 ug/L

RT: 4.61 min Scan# 1096

Delta R.T. 0.00 min

Lab File: VV019723.D

Acq: 19 Dec 2020 02:54

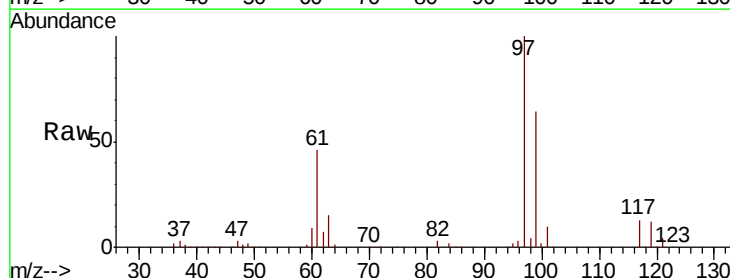
Tgt Ion: 97 Resp: 320499

Ion Ratio Lower Upper

97 100

99 64.1 51.3 76.9

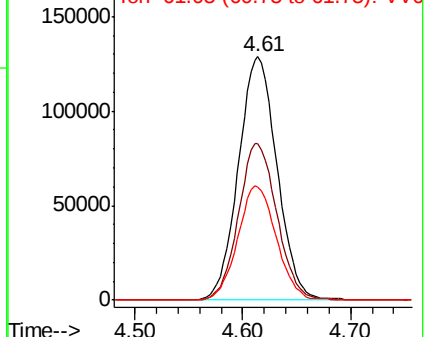
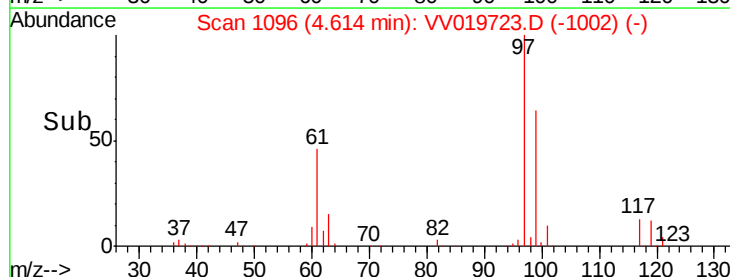
61 47.0 36.3 54.5

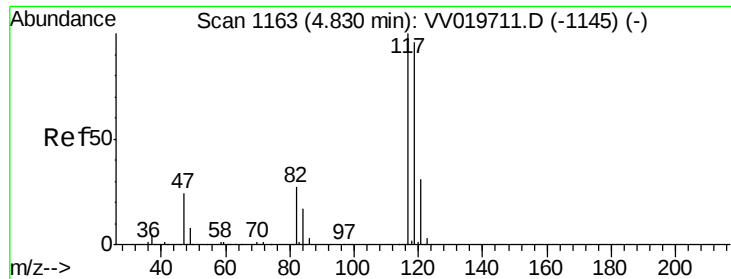


Abundance Ion 97.00 (96.70 to 97.70): VV019723.D (-1002) (-)

Ion 99.00 (98.70 to 99.70): VV019723.D (-1002) (-)

Ion 61.05 (60.75 to 61.75): VV019723.D (-1002) (-)

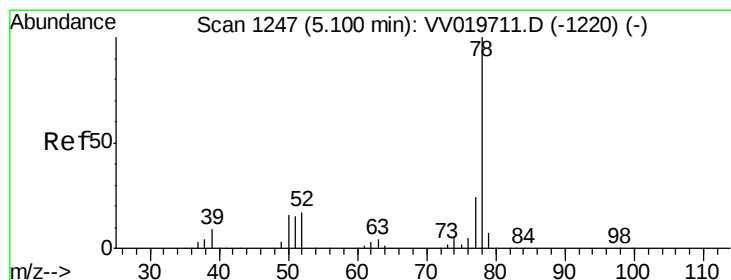
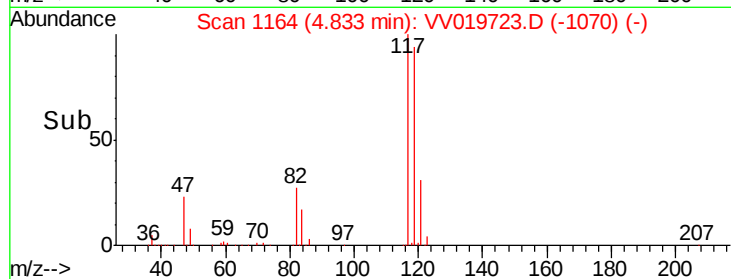
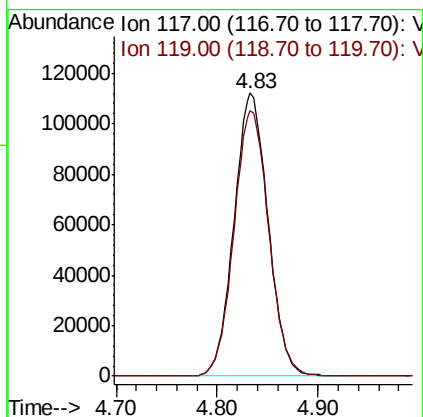
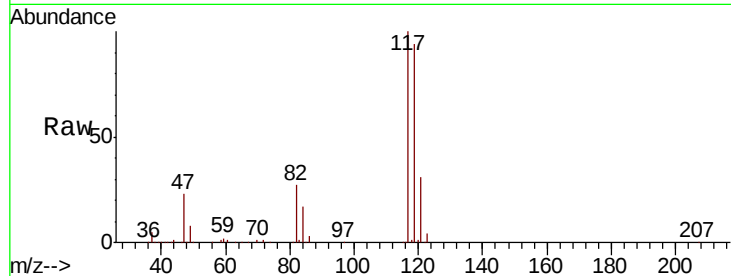




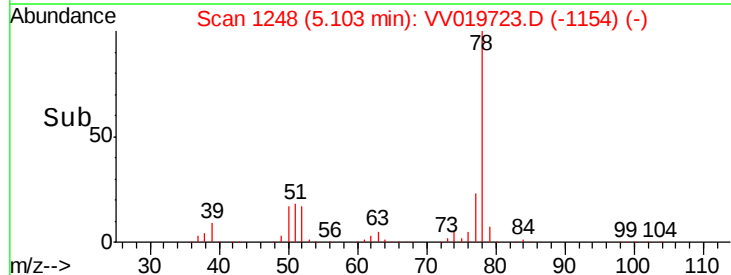
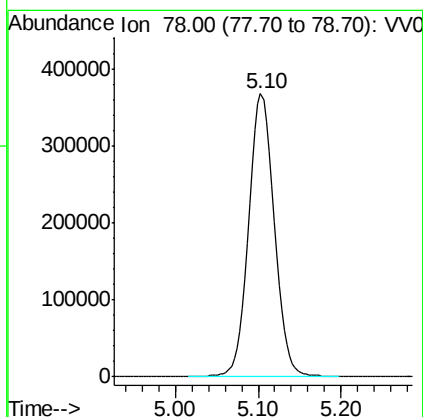
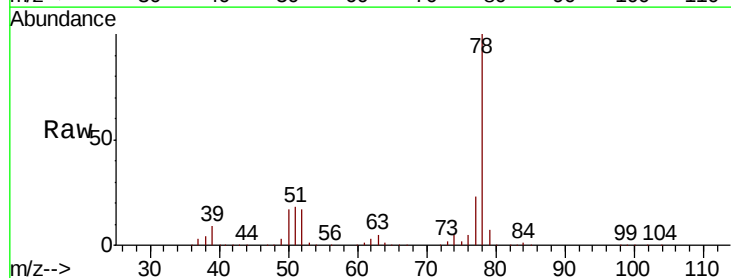
#31
Carbon tetrachloride
Concen: 45.568 ug/L
RT: 4.83 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VV019723.D
Acq: 19 Dec 2020 02:54

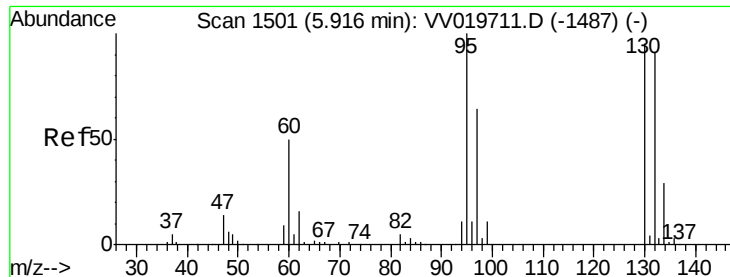
Instrument :
MSVOA_V
ClientSampleId :
VSTD05096

Tot Ion:117 Resp: 262312
Ion Ratio Lower Upper
117 100
119 95.8 75.7 113.5



#33
Benzene
Concen: 49.822 ug/L
RT: 5.10 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VV019723.D
Acq: 19 Dec 2020 02:54
Tgt Ion: 78 Resp: 791870





#34

Trichloroethene

Concen: 48.365 ug/L

RT: 5.92 min Scan# 1502

Delta R.T. 0.00 min

Lab File: VV019723.D

Acq: 19 Dec 2020 02:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD05096

Tot Ion: 95 Resp: 203066

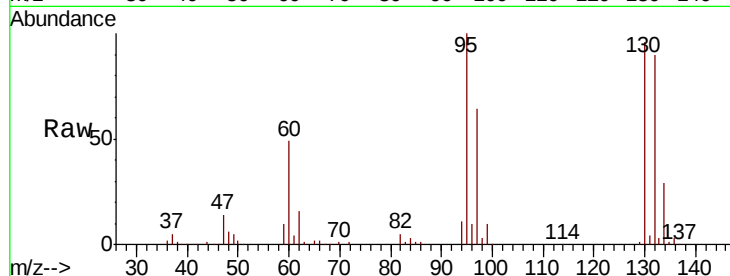
Ion Ratio Lower Upper

95 100

97 64.0 44.4 82.4

132 90.5 64.3 119.3

130 95.9 67.8 125.8

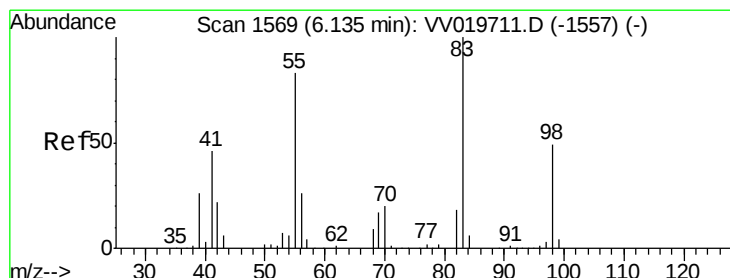
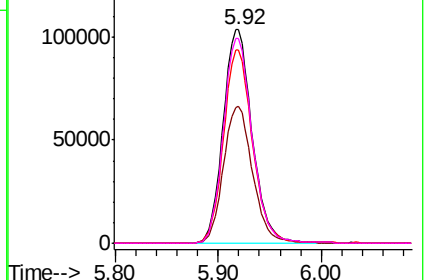
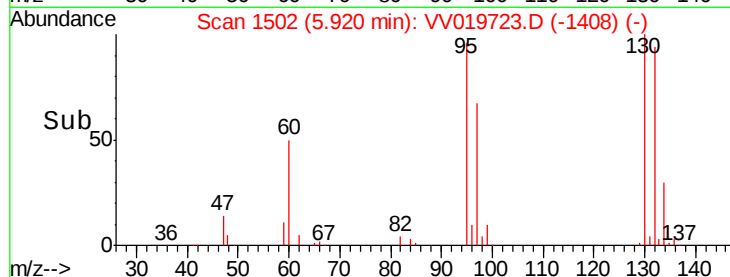


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 48.259 ug/L

RT: 6.14 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VV019723.D

Acq: 19 Dec 2020 02:54

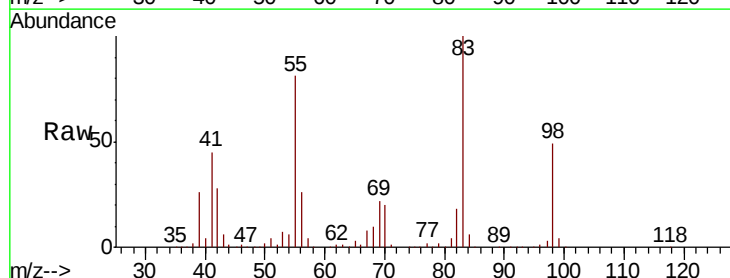
Tgt Ion: 83 Resp: 307817

Ion Ratio Lower Upper

83 100

55 80.8 64.2 96.4

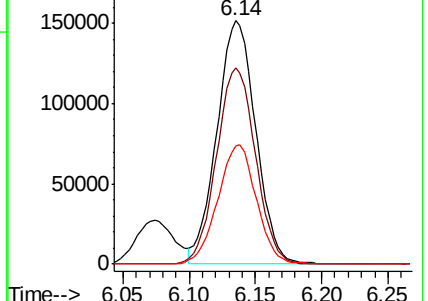
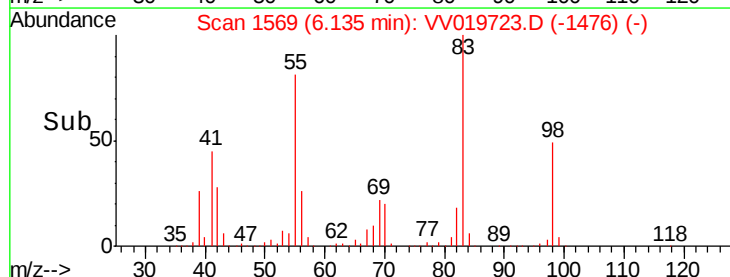
98 48.8 39.3 58.9

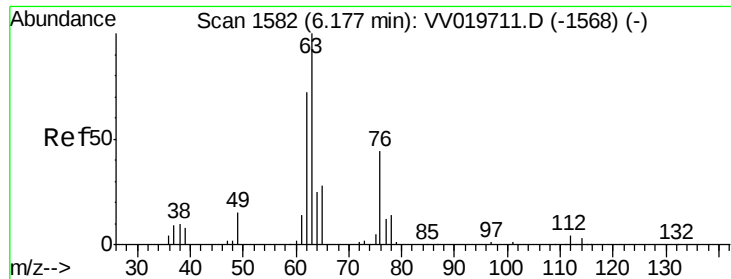


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

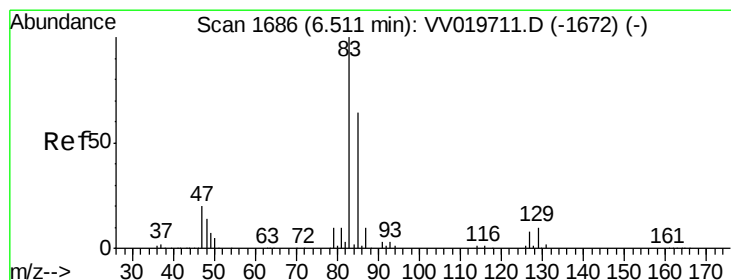
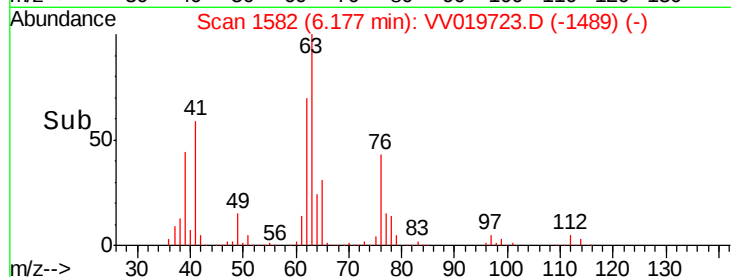
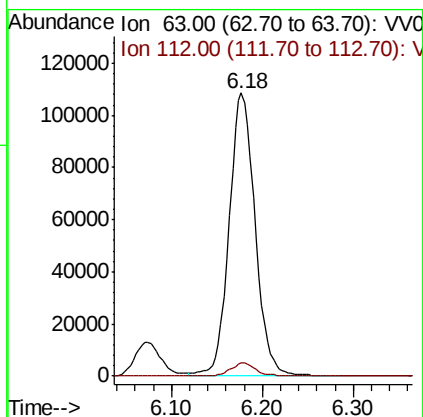
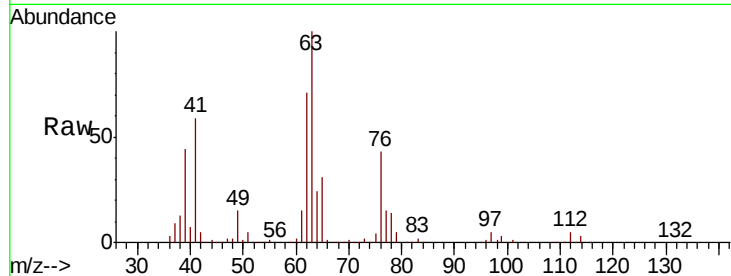




#37
 1,2-Dichloropropane
 Concen: 51.655 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VV019723.D
 Acq: 19 Dec 2020 02:54

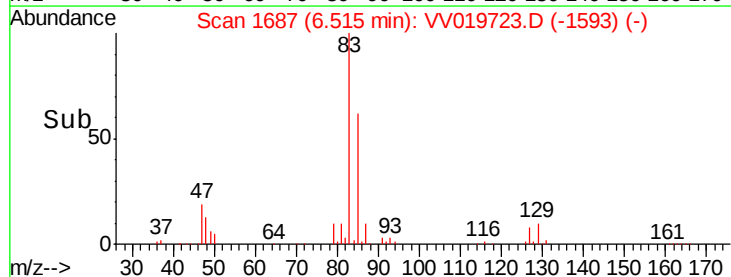
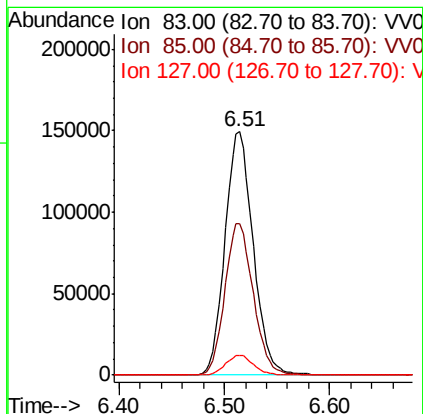
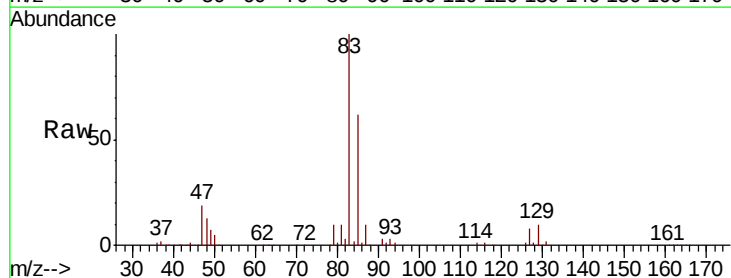
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05096

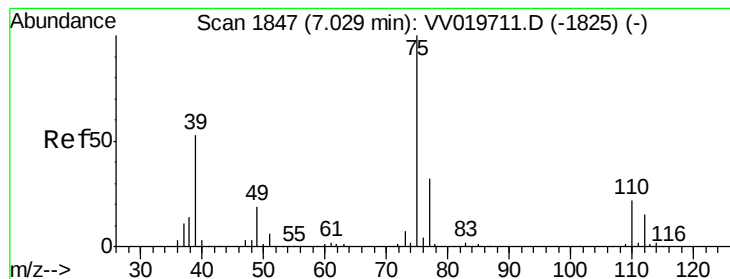
Tot Ion: 63 Resp: 214404
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.5 5.3



#38
 Bromodichloromethane
 Concen: 47.599 ug/L
 RT: 6.51 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VV019723.D
 Acq: 19 Dec 2020 02:54

Tgt Ion: 83 Resp: 276267
 Ion Ratio Lower Upper
 83 100
 85 62.1 44.9 83.5
 127 8.3 6.7 10.1



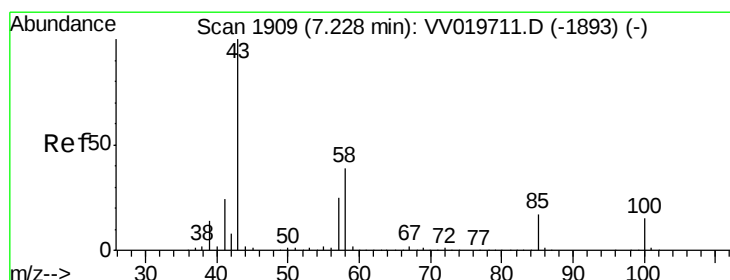
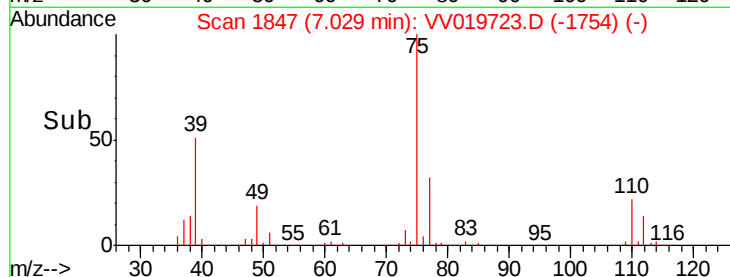
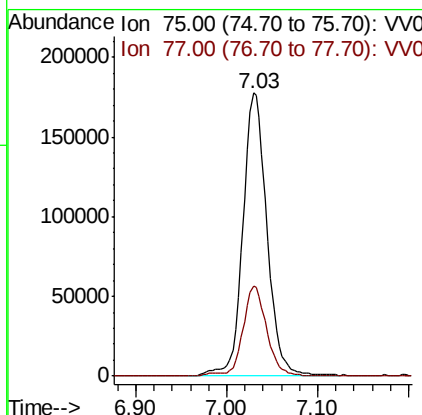
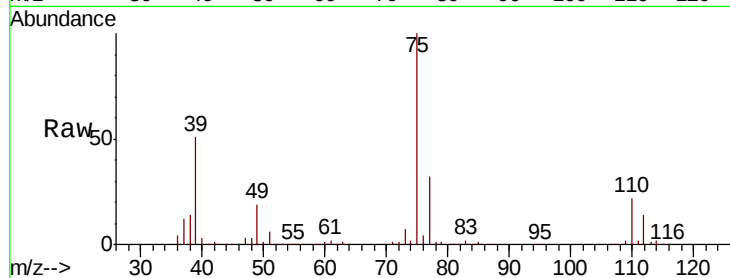


#39

cis-1,3-Dichloropropene
Concen: 47.508 ug/L
RT: 7.03 min Scan# 1847
Delta R.T. 0.00 min
Lab File: VV019723.D
Acq: 19 Dec 2020 02:54

Instrument :
MSVOA_V
ClientSampleId :
VSTD05096

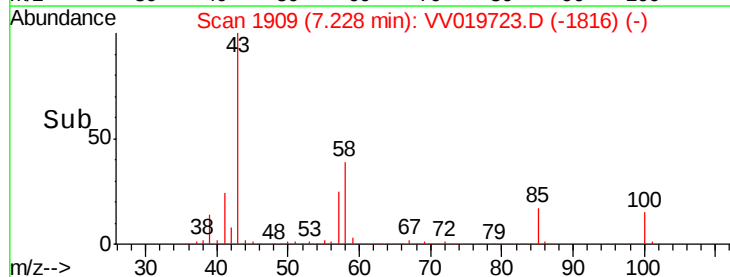
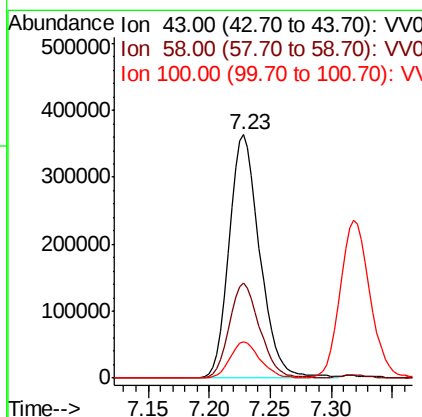
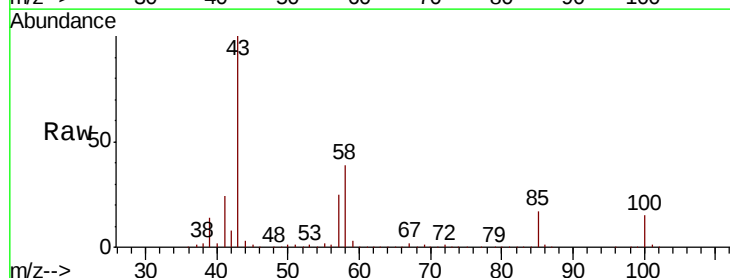
Tot Ion: 75 Resp: 327510
Ion Ratio Lower Upper
75 100
77 31.8 22.4 41.6

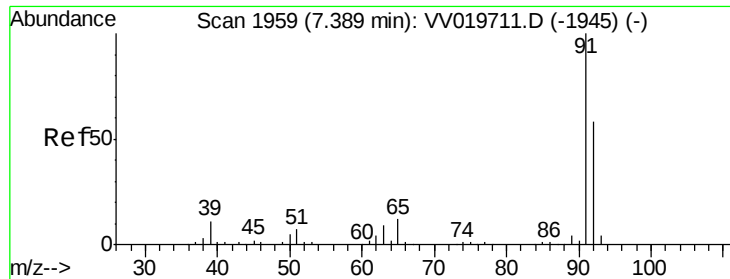


#40

4-Methyl-2-pentanone
Concen: 106.461 ug/L
RT: 7.23 min Scan# 1909
Delta R.T. 0.00 min
Lab File: VV019723.D
Acq: 19 Dec 2020 02:54

Tgt Ion: 43 Resp: 637520
Ion Ratio Lower Upper
43 100
58 38.8 31.7 47.5
100 14.7 12.5 18.7





#42

Toluene

Concen: 48.723 ug/L

RT: 7.39 min Scan# 1959

Delta R.T. -0.00 min

Lab File: VV019723.D

Acq: 19 Dec 2020 02:54

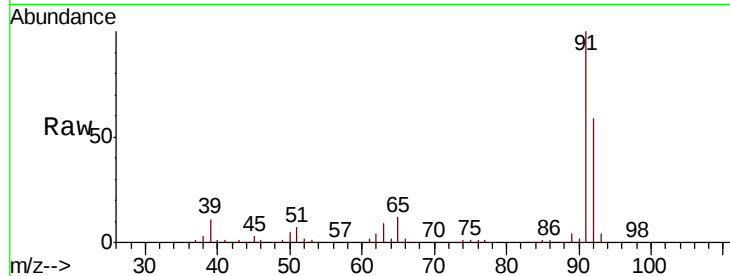
Instrument :
MSVOA_V
ClientSampleId :
VSTD05096

Tot Ion: 91 Resp: 816197

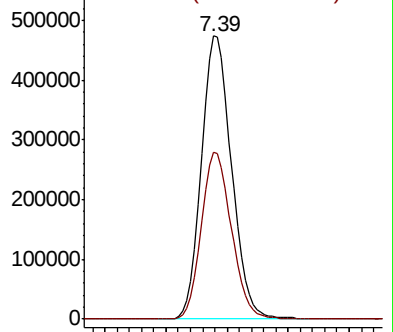
Ion Ratio Lower Upper

91 100

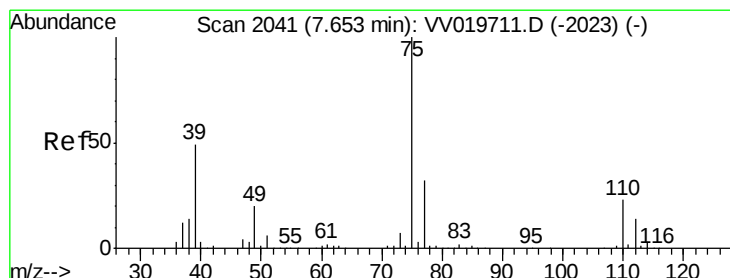
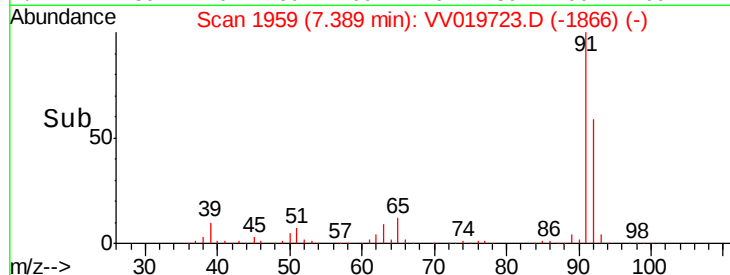
92 59.0 41.4 76.8



Abundance Ion 91.00 (90.70 to 91.70): VV019711.D (-1945) (-)



Time-->



#44

trans-1,3-Dichloropropene

Concen: 45.084 ug/L

RT: 7.65 min Scan# 2041

Delta R.T. 0.00 min

Lab File: VV019723.D

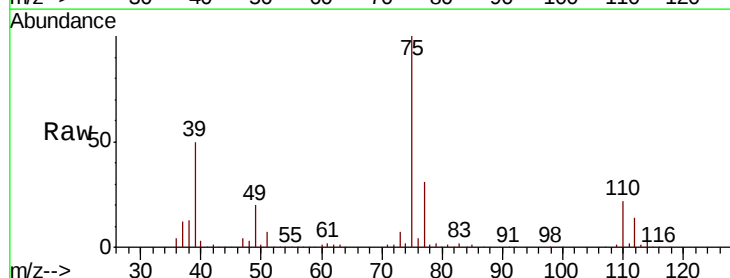
Acq: 19 Dec 2020 02:54

Tgt Ion: 75 Resp: 314698

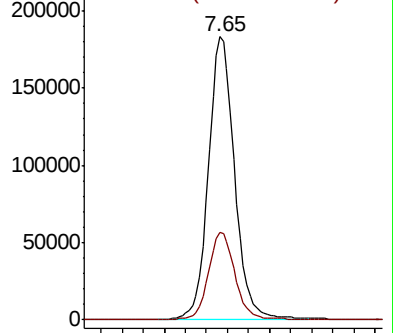
Ion Ratio Lower Upper

75 100

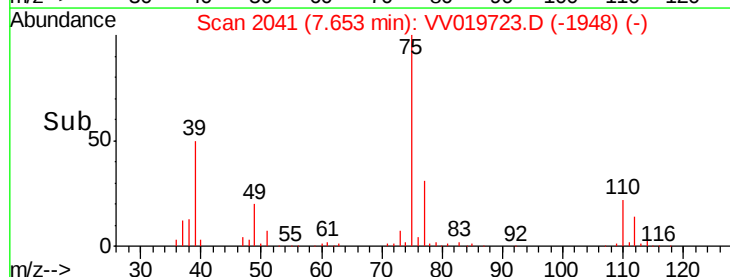
77 30.9 22.5 41.9

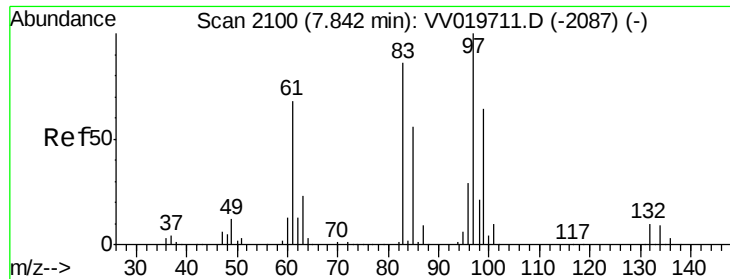


Abundance Ion 75.00 (74.70 to 75.70): VV019711.D (-2023) (-)



Time-->

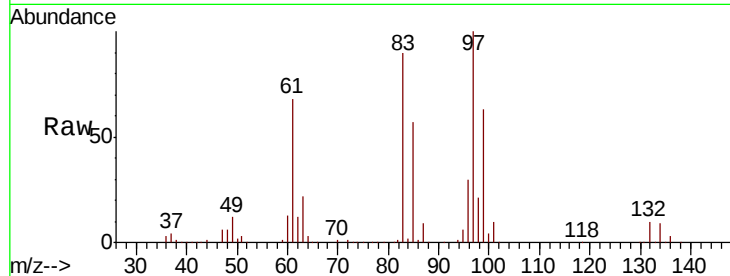




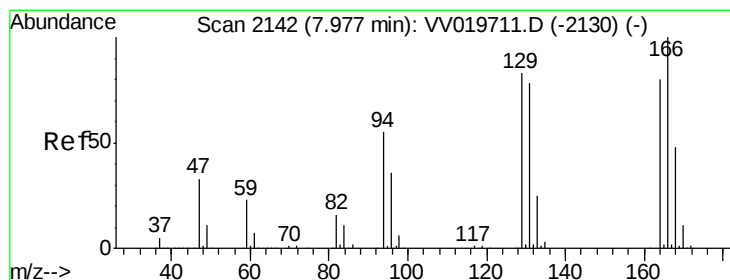
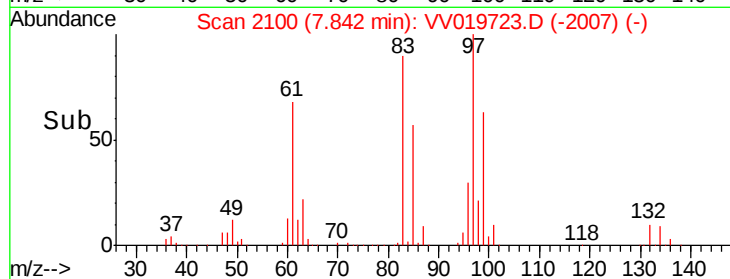
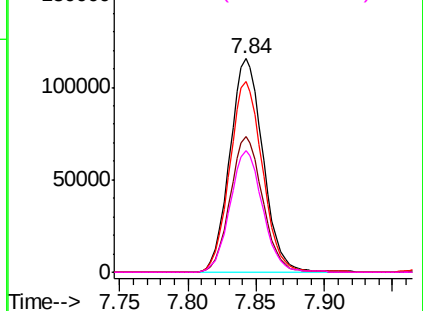
#45
1,1,2-Trichloroethane
Concen: 49.535 ug/L
RT: 7.84 min Scan# 2100
Delta R.T. 0.00 min
Lab File: VV019723.D
Acq: 19 Dec 2020 02:54

Instrument :
MSVOA_V
ClientSampleId :
VSTD05096

Tot Ion:	97	Resp:	195250
Ion	Ratio	Lower	Upper
97	100		
99	63.2	44.1	81.9
83	89.5	60.0	111.4
85	56.7	38.6	71.8

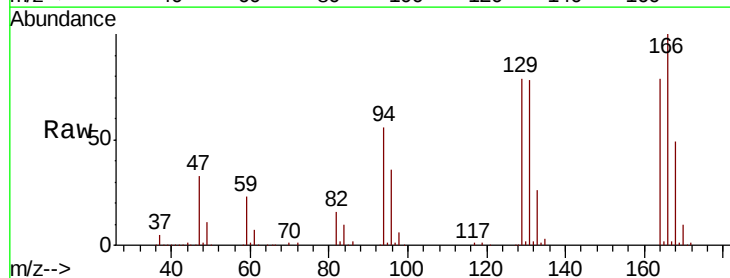


Abundance Ion 97.00 (96.70 to 97.70): VV019723.D (-2007) (-)
Ion 99.00 (98.70 to 99.70): VV019723.D (-2007) (-)
Ion 83.00 (82.70 to 83.70): VV019723.D (-2007) (-)
Ion 85.00 (84.70 to 85.70): VV019723.D (-2007) (-)

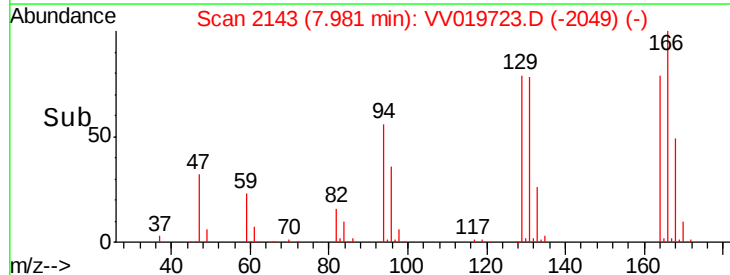
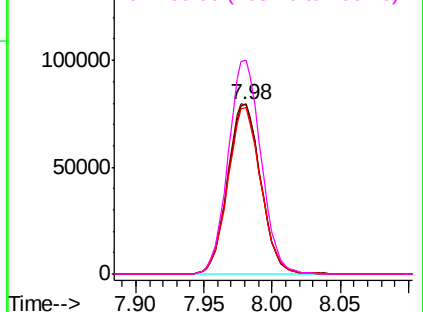


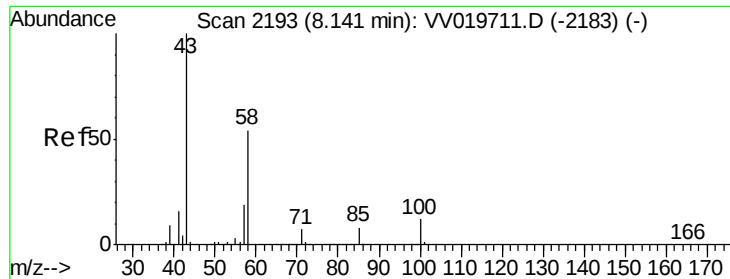
#46
Tetrachloroethene
Concen: 45.842 ug/L
RT: 7.98 min Scan# 2143
Delta R.T. 0.00 min
Lab File: VV019723.D
Acq: 19 Dec 2020 02:54

Tgt Ion:	164	Resp:	133182
Ion	Ratio	Lower	Upper
164	100		
129	99.5	70.6	131.0
131	97.9	68.0	126.4
166	125.8	86.9	161.5



Abundance Ion 164.00 (163.70 to 164.70): VV019723.D (-2049) (-)
Ion 129.00 (128.70 to 129.70): VV019723.D (-2049) (-)
Ion 131.00 (130.70 to 131.70): VV019723.D (-2049) (-)
Ion 166.00 (165.70 to 166.70): VV019723.D (-2049) (-)

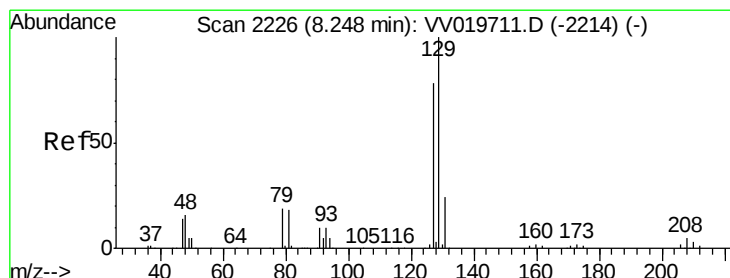
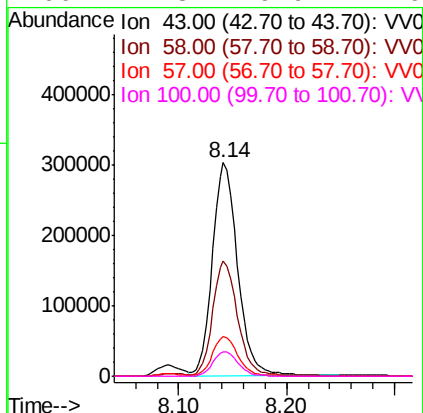
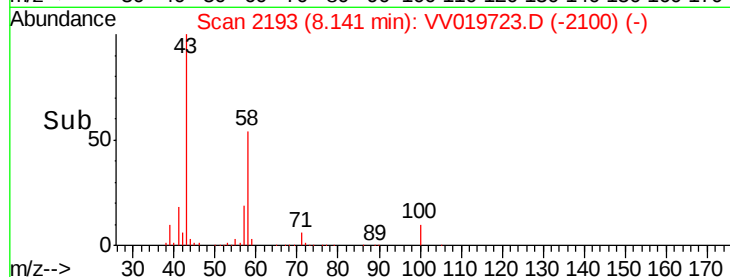
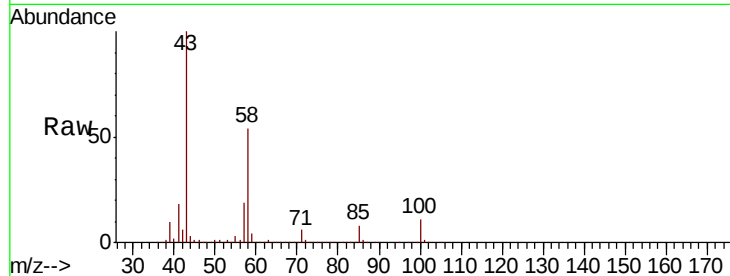




#48
2-Hexanone
Concen: 108.086 ug/L
RT: 8.14 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VV019723.D
Acq: 19 Dec 2020 02:54

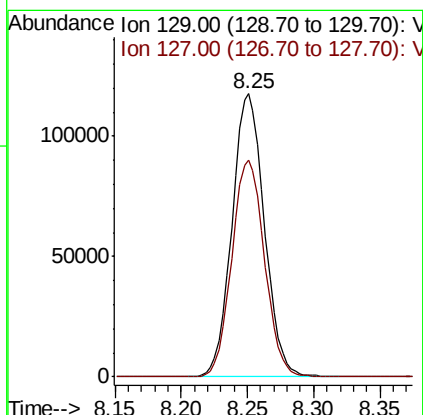
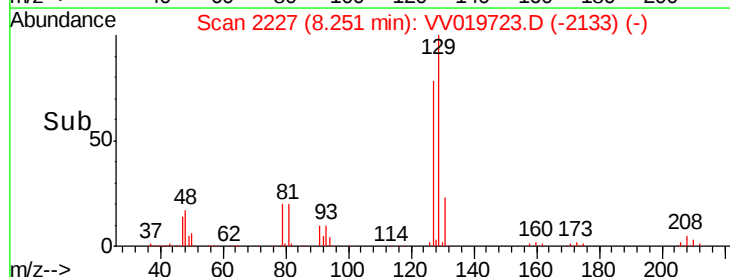
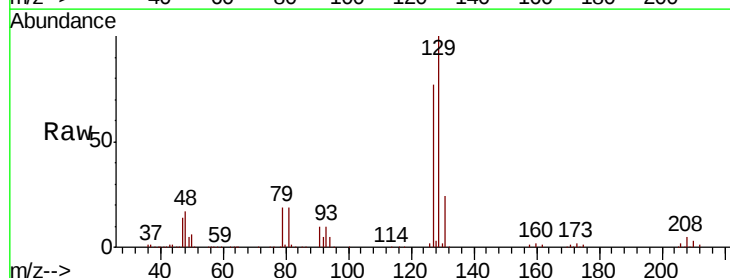
Instrument :
MSVOA_V
ClientSampleId :
VSTD05096

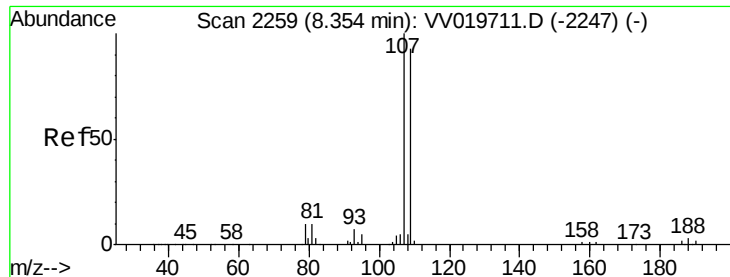
Tot Ion: 43 Resp: 491122
Ion Ratio Lower Upper
43 100
58 53.6 44.4 66.6
57 18.5 15.7 23.5
100 11.8 9.9 14.9



#49
Dibromochloromethane
Concen: 46.157 ug/L
RT: 8.25 min Scan# 2227
Delta R.T. 0.00 min
Lab File: VV019723.D
Acq: 19 Dec 2020 02:54

Tgt Ion: 129 Resp: 199242
Ion Ratio Lower Upper
129 100
127 76.7 54.2 100.6

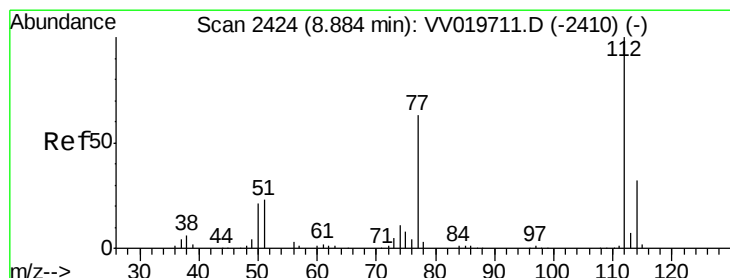
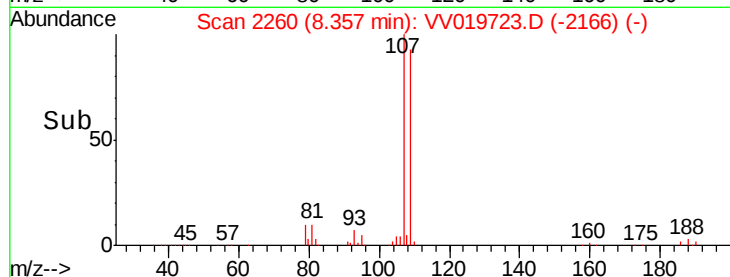
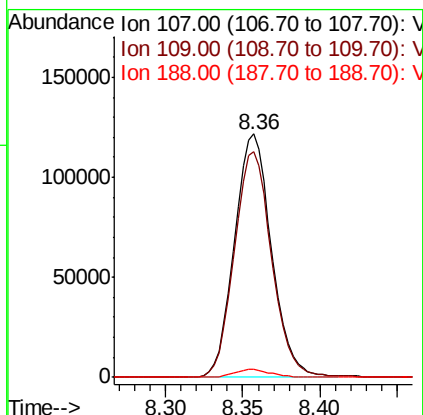
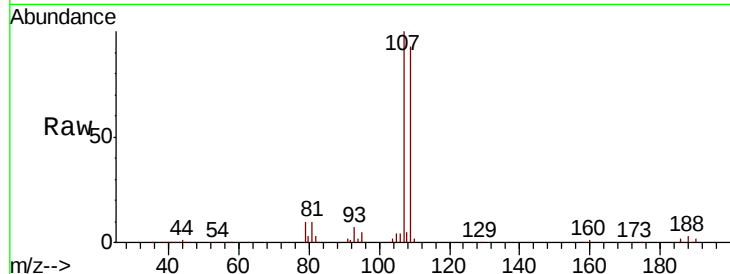




#50
1,2-Dibromoethane
Concen: 48.710 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.00 min
Lab File: VV019723.D
Acq: 19 Dec 2020 02:54

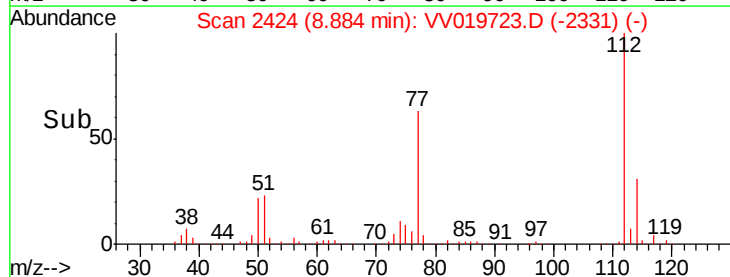
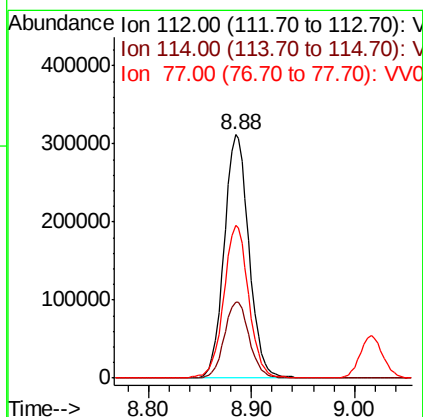
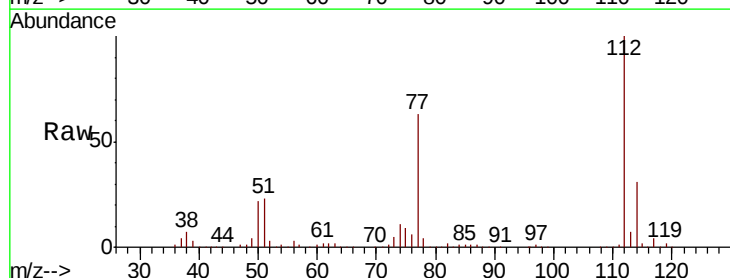
Instrument :
MSVOA_V
ClientSampleId :
VSTD05096

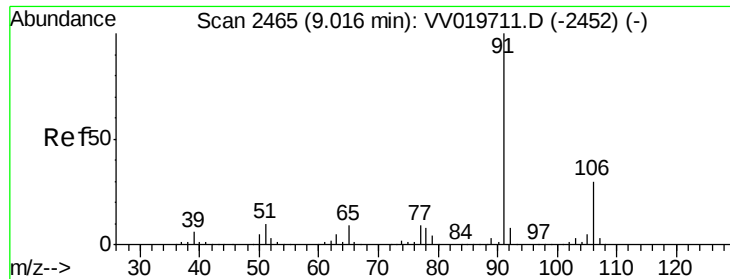
Tot Ion:107 Resp: 202182
Ion Ratio Lower Upper
107 100
109 92.9 66.4 123.2
188 3.2 2.9 4.3



#51
Chlorobenzene
Concen: 48.739 ug/L
RT: 8.88 min Scan# 2424
Delta R.T. -0.00 min
Lab File: VV019723.D
Acq: 19 Dec 2020 02:54

Tgt Ion:112 Resp: 521464
Ion Ratio Lower Upper
112 100
114 31.4 22.2 41.2
77 62.7 50.6 75.8





#52

Ethylbenzene

Concen: 48.304 ug/L

RT: 9.02 min Scan# 2465

Delta R.T. 0.00 min

Lab File: VV019723.D

Acq: 19 Dec 2020 02:54

Instrument :

MSVOA_V

ClientSampleId :

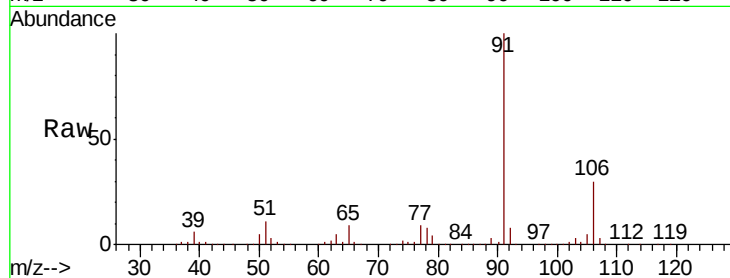
VSTD05096

Tot Ion: 91 Resp: 921927

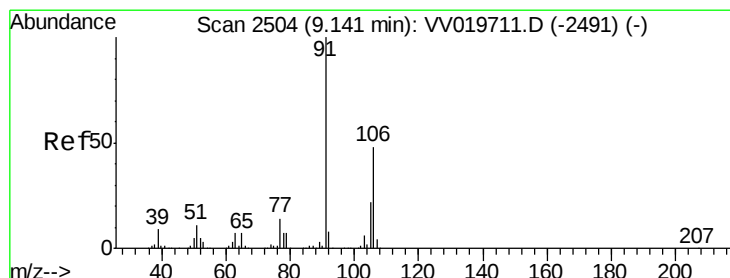
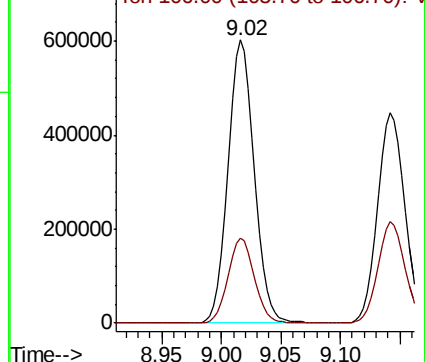
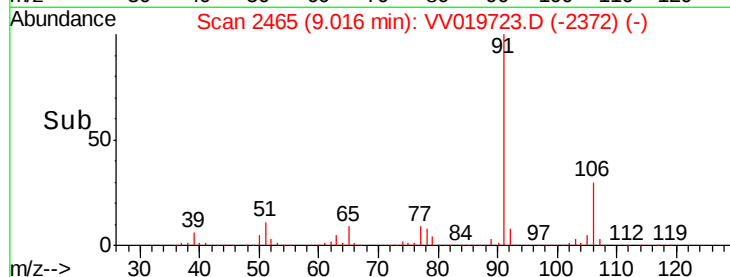
Ion Ratio Lower Upper

91 100

106 30.2 21.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VV019723.D (-2372) (-)



#53

m,p-Xylene

Concen: 47.610 ug/L

RT: 9.14 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VV019723.D

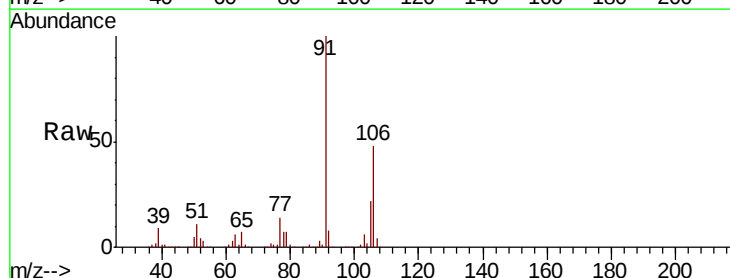
Acq: 19 Dec 2020 02:54

Tgt Ion: 106 Resp: 339482

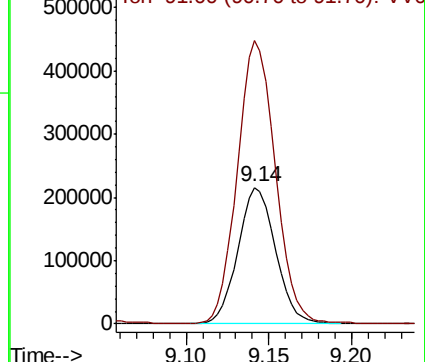
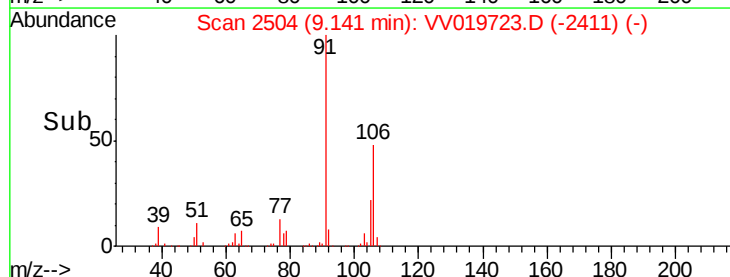
Ion Ratio Lower Upper

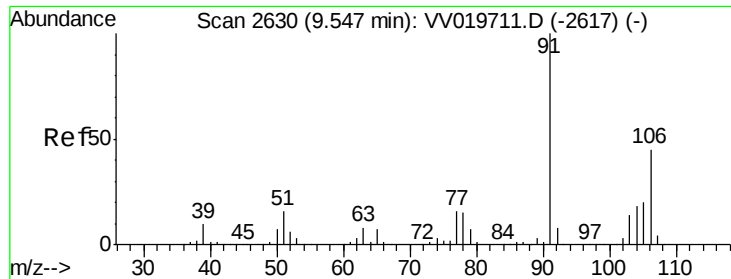
106 100

91 207.8 147.7 274.3



Abundance Ion 106.00 (105.70 to 106.70): VV019723.D (-2411) (-)





#54

o-xylene

Concen: 47.832 ug/L

RT: 9.55 min Scan# 2630

Delta R.T. 0.00 min

Lab File: VV019723.D

Acq: 19 Dec 2020 02:54

Instrument :

MSVOA_V

ClientSampleId :

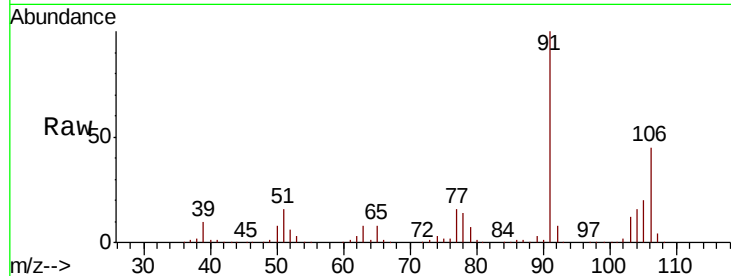
VSTD05096

Tot Ion:106 Resp: 334303

Ion Ratio Lower Upper

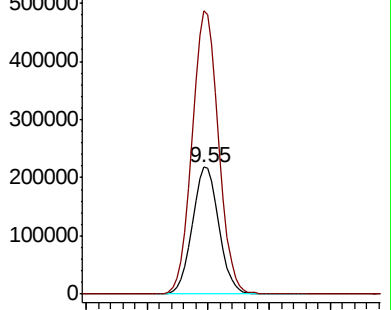
106 100

91 223.2 156.7 291.1

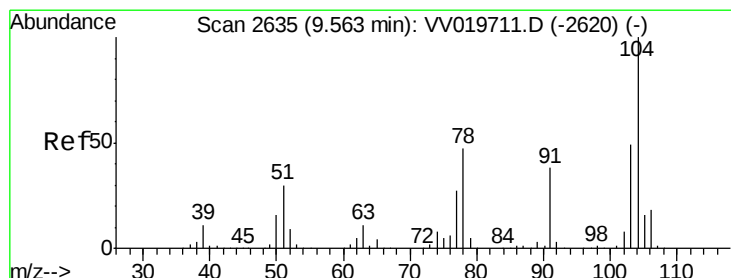
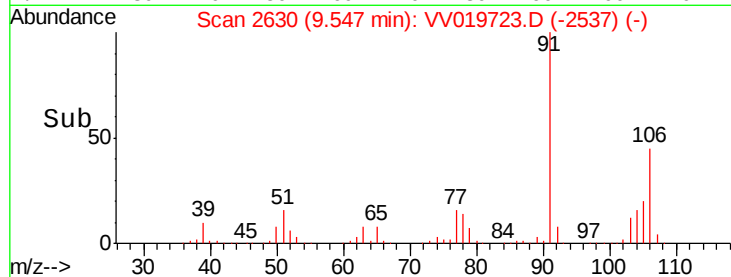


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



Time-->



#55

Styrene

Concen: 48.284 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV019723.D

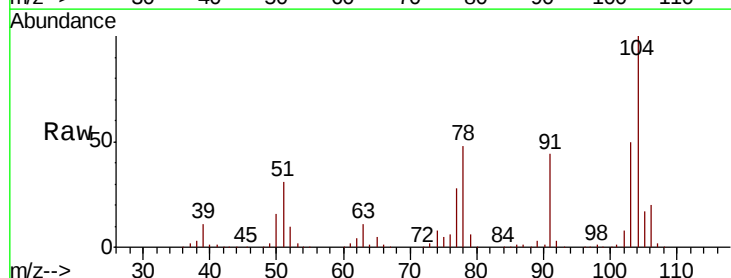
Acq: 19 Dec 2020 02:54

Tgt Ion:104 Resp: 588148

Ion Ratio Lower Upper

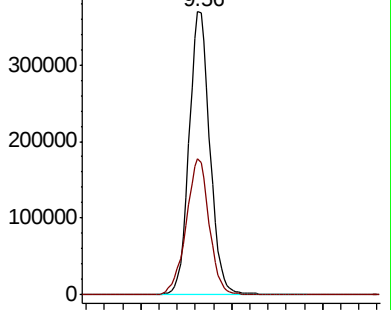
104 100

78 48.2 33.7 62.7

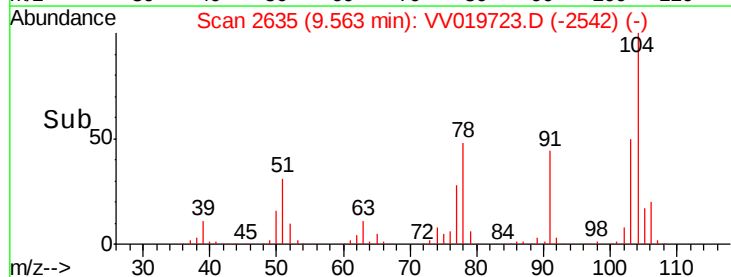


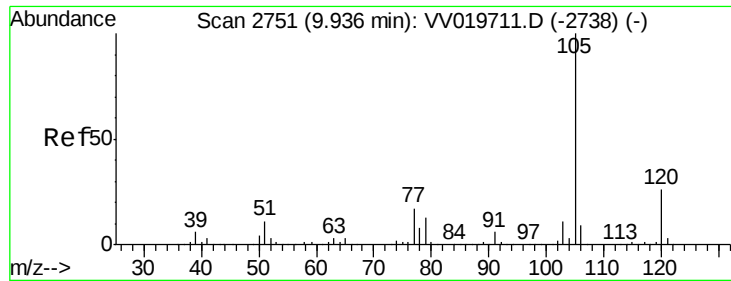
Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0



Time-->





#56

Isopropylbenzene

Concen: 48.369 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VV019723.D

Acq: 19 Dec 2020 02:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD05096

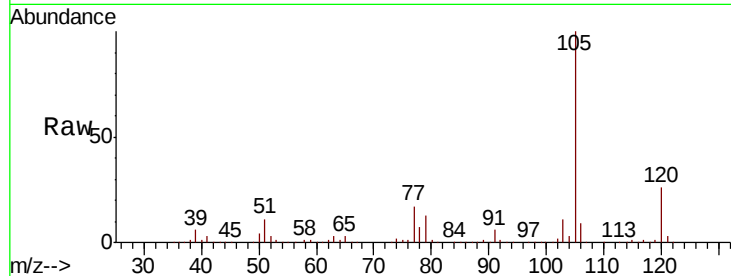
Tot Ion:105 Resp: 900602

Ion Ratio Lower Upper

105 100

120 25.7 20.6 31.0

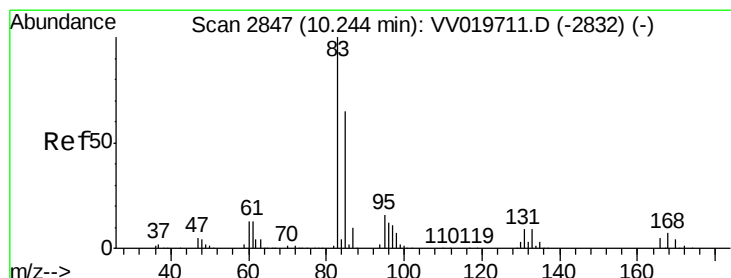
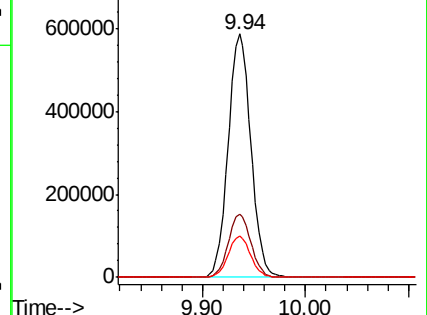
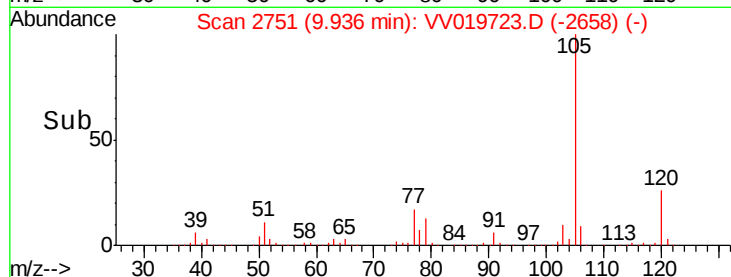
77 16.8 13.2 19.8



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: 50.080 ug/L

RT: 10.24 min Scan# 2847

Delta R.T. 0.00 min

Lab File: VV019723.D

Acq: 19 Dec 2020 02:54

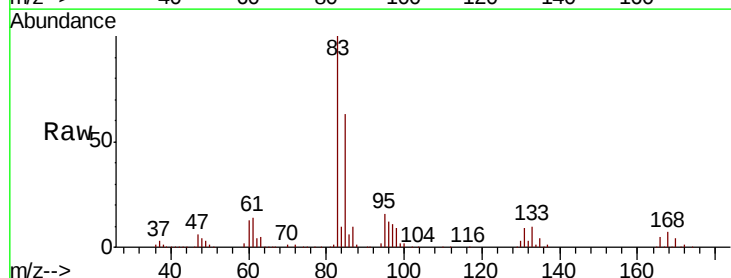
Tgt Ion: 83 Resp: 317443

Ion Ratio Lower Upper

83 100

85 63.2 44.9 83.5

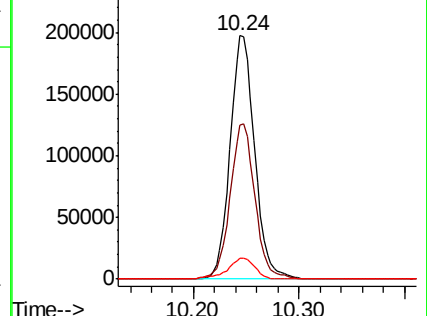
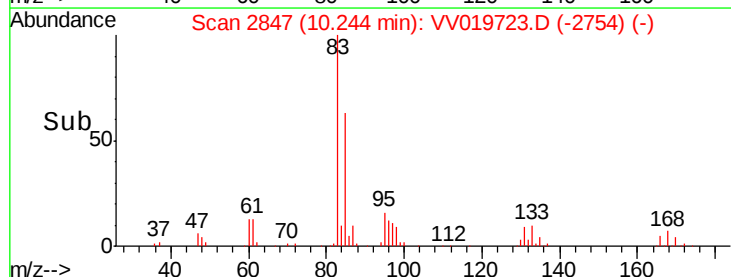
131 8.6 7.6 11.4

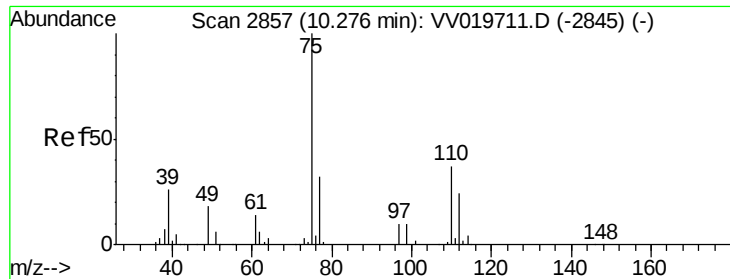


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 51.761 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV019723.D

Acq: 19 Dec 2020 02:54

Instrument :

MSVOA_V

ClientSampleId :

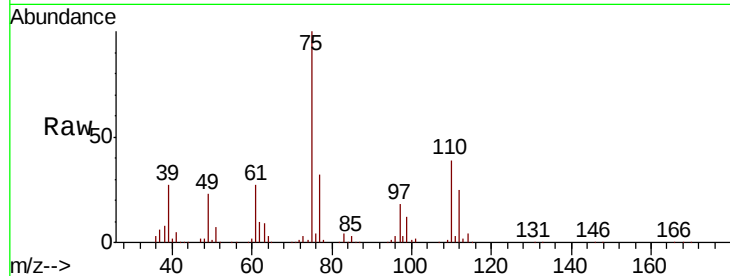
VSTD05096

Tot Ion: 75 Resp: 267235

Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV019711.D (-2845) (-)

Ion 77.00 (76.70 to 77.70): VV019711.D (-2845) (-)

10.28

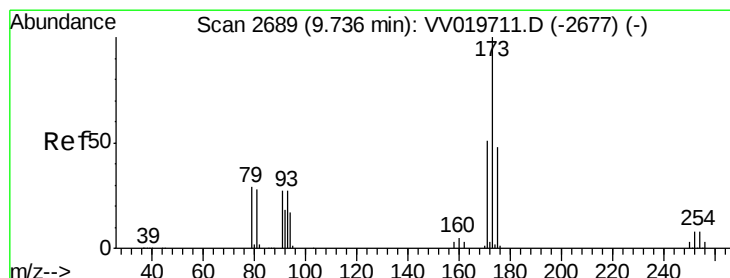
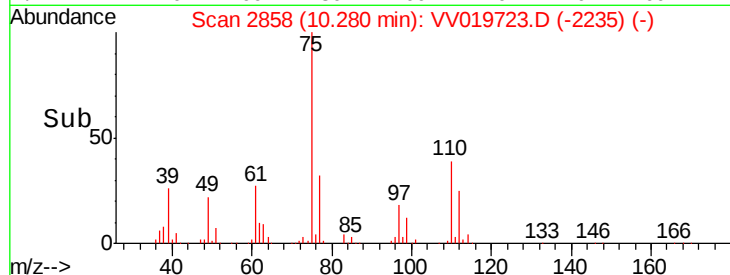
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 41.572 ug/L

RT: 9.74 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VV019723.D

Acq: 19 Dec 2020 02:54

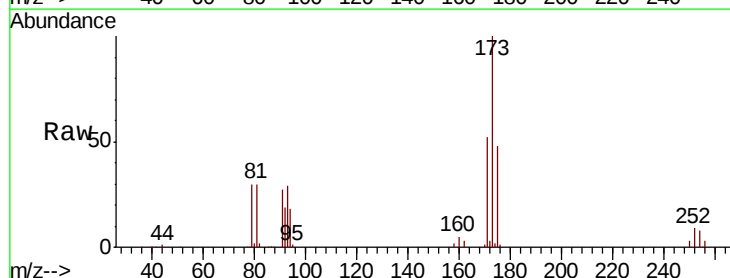
Tgt Ion: 173 Resp: 126642

Ion Ratio Lower Upper

173 100

175 48.8 38.4 57.6

254 7.9 6.6 10.0



Abundance Ion 173.00 (172.70 to 173.70): VV019711.D (-2677) (-)

Ion 175.00 (174.70 to 175.70): VV019711.D (-2677) (-)

Ion 254.00 (253.70 to 254.70): VV019711.D (-2677) (-)

9.74

100000

80000

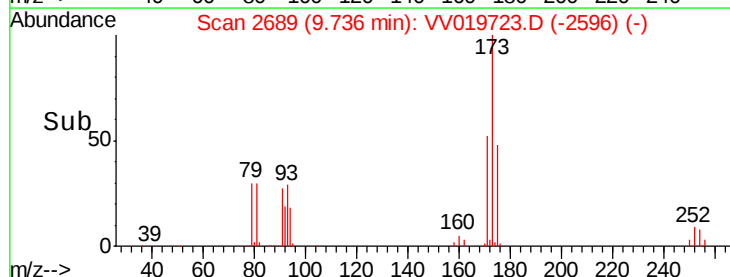
60000

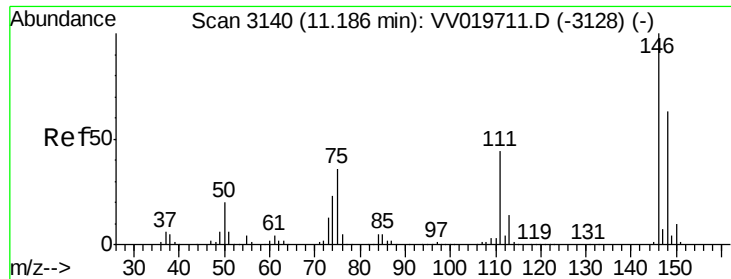
40000

20000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 46.119 ug/L

RT: 11.19 min Scan# 3140

Delta R.T. 0.00 min

Lab File: VV019723.D

Acq: 19 Dec 2020 02:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD05096

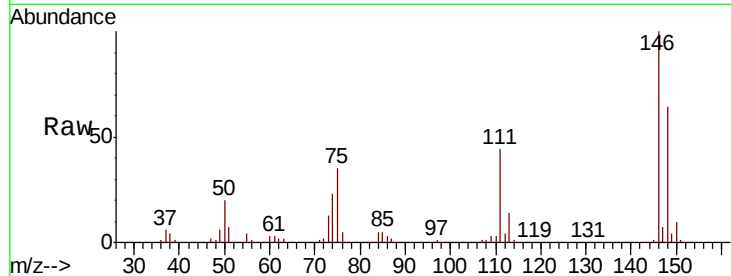
Tot Ion:146 Resp: 389561

Ion Ratio Lower Upper

146 100

111 44.1 30.7 57.1

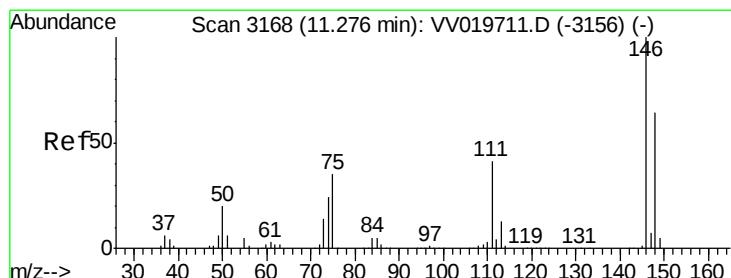
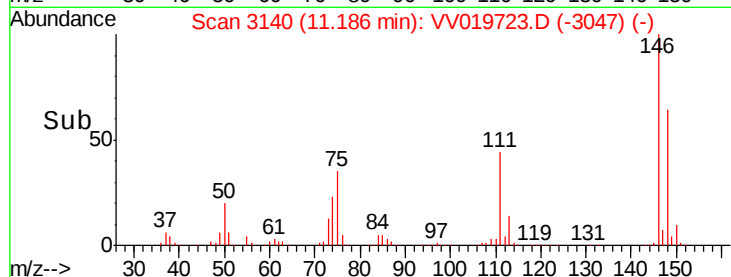
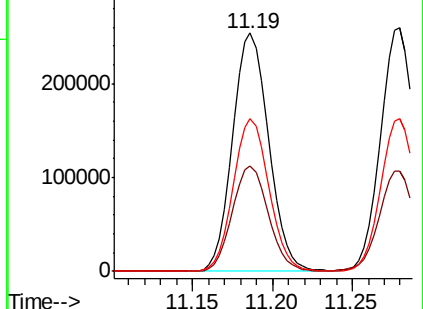
148 64.2 45.3 84.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 46.331 ug/L

RT: 11.28 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VV019723.D

Acq: 19 Dec 2020 02:54

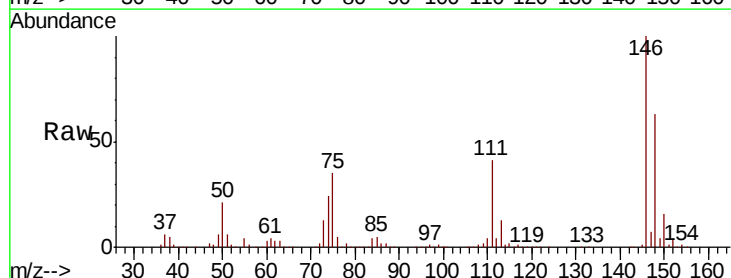
Tgt Ion:146 Resp: 396294

Ion Ratio Lower Upper

146 100

111 41.3 29.8 55.4

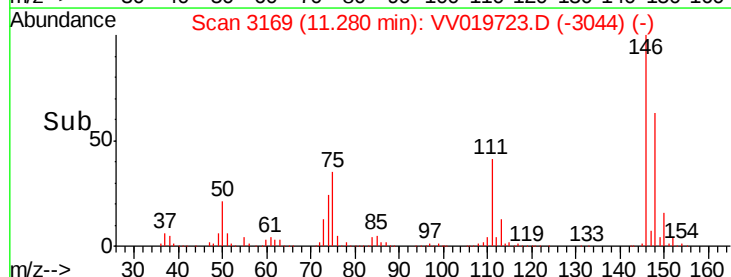
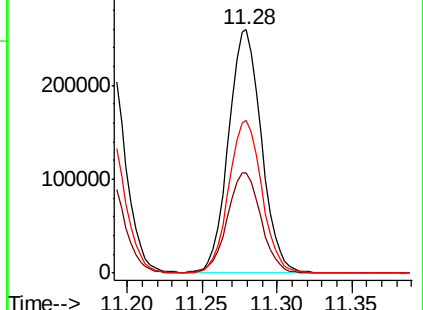
148 63.0 44.2 82.0

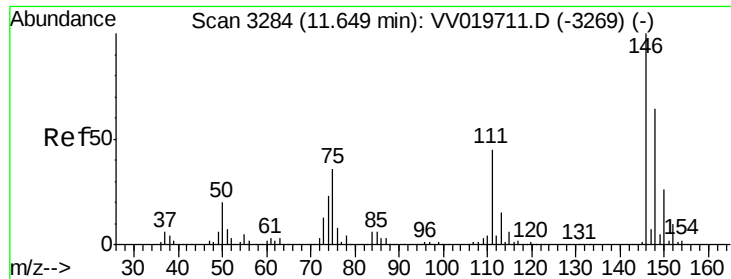


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 47.441 ug/L

RT: 11.65 min Scan# 3284

Delta R.T. 0.00 min

Lab File: VV019723.D

Acq: 19 Dec 2020 02:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD05096

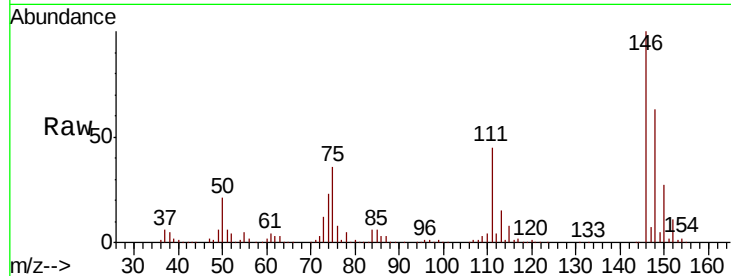
Tot Ion:146 Resp: 395975

Ion Ratio Lower Upper

146 100

111 44.7 36.6 55.0

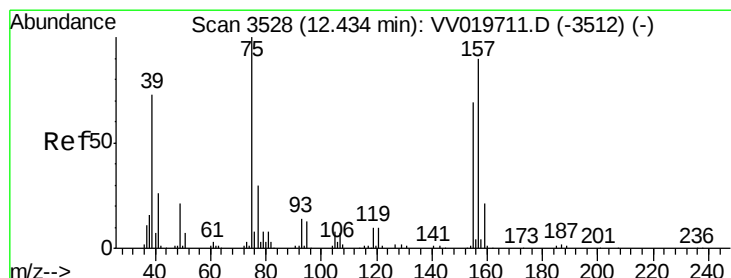
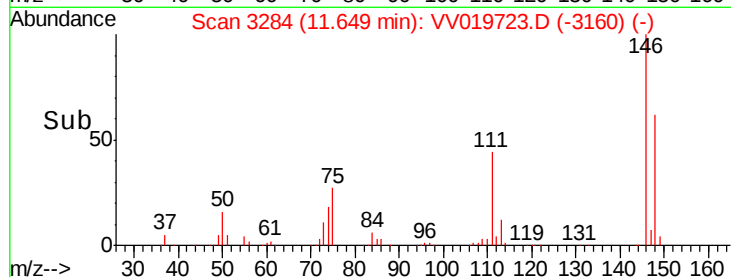
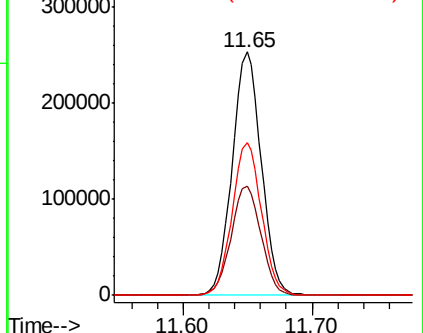
148 62.7 50.7 76.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 44.745 ug/L

RT: 12.43 min Scan# 3528

Delta R.T. -0.00 min

Lab File: VV019723.D

Acq: 19 Dec 2020 02:54

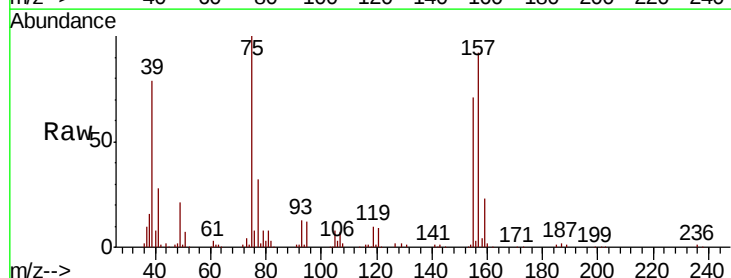
Tgt Ion: 75 Resp: 77959

Ion Ratio Lower Upper

75 100

155 70.9 61.1 91.7

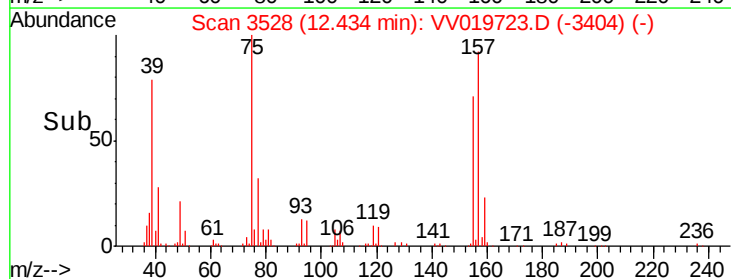
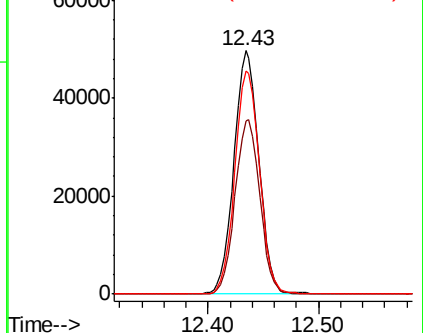
157 91.8 78.7 118.1

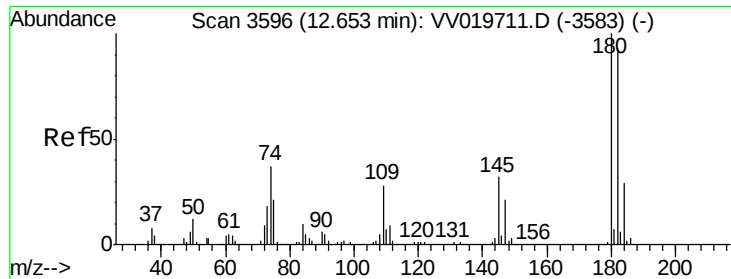


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

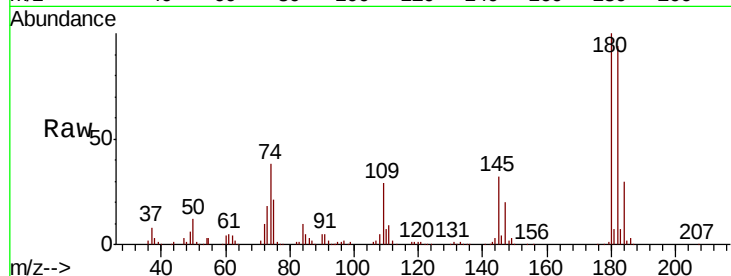




#67
 1,3,5-Trichlorobenzene
 Concen: 46.328 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VV019723.D
 Acq: 19 Dec 2020 02:54

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05096

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.8	113.6
184	30.0	23.9	35.9
145	32.3	26.2	39.2



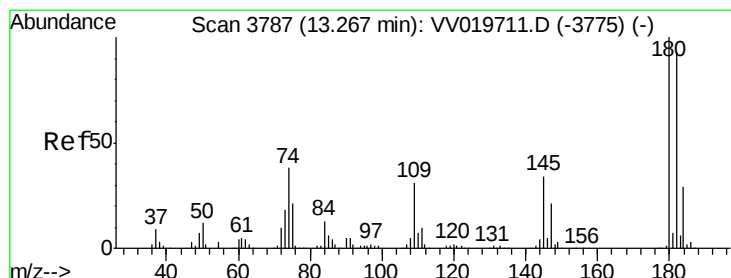
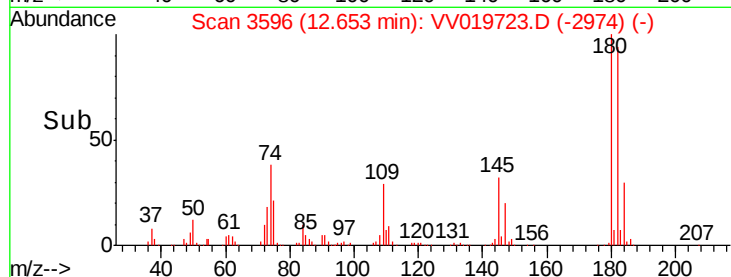
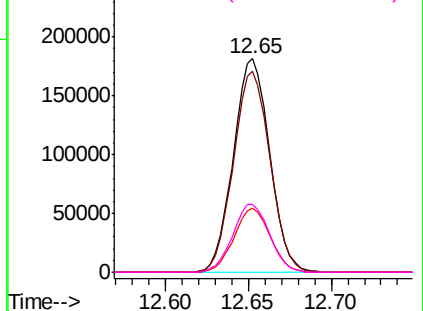
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

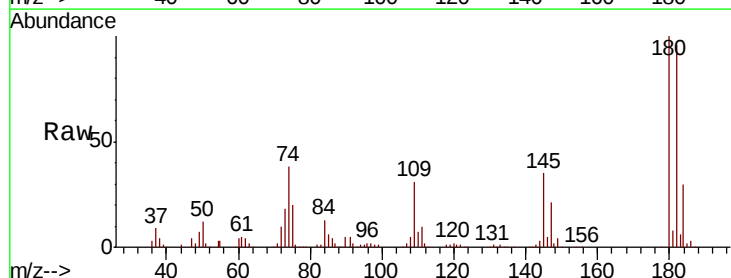
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 45.384 ug/L
 RT: 13.27 min Scan# 3787
 Delta R.T. 0.00 min
 Lab File: VV019723.D
 Acq: 19 Dec 2020 02:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.5	114.7
145	34.0	27.0	40.6

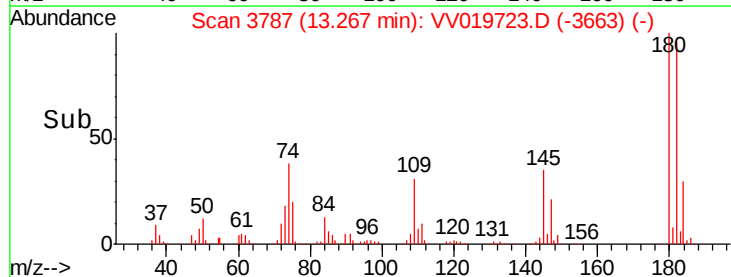
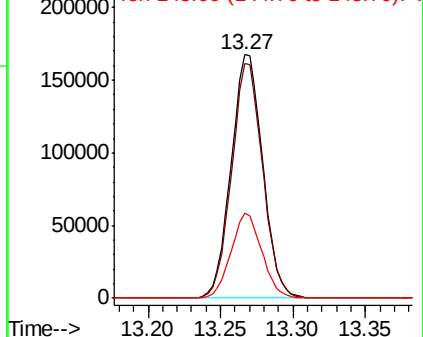


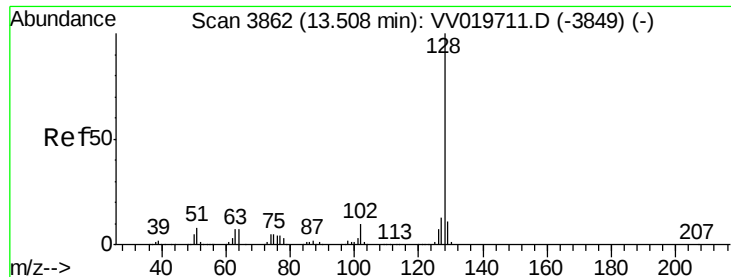
Abundance

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: 45.736 ug/L

RT: 13.51 min Scan# 3862

Delta R.T. 0.00 min

Lab File: VV019723.D

Acq: 19 Dec 2020 02:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD05096

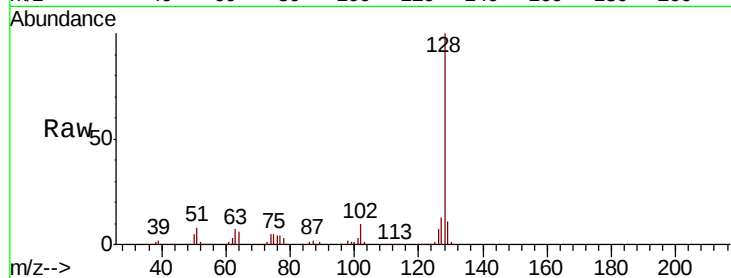
Tot Ion:128 Resp: 886166

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

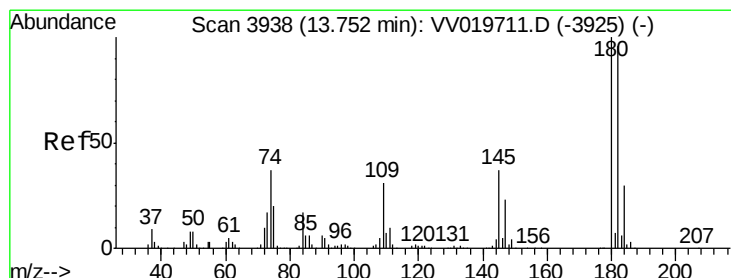
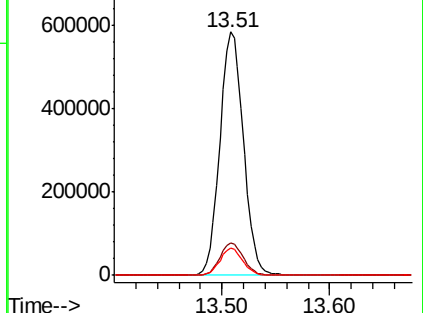
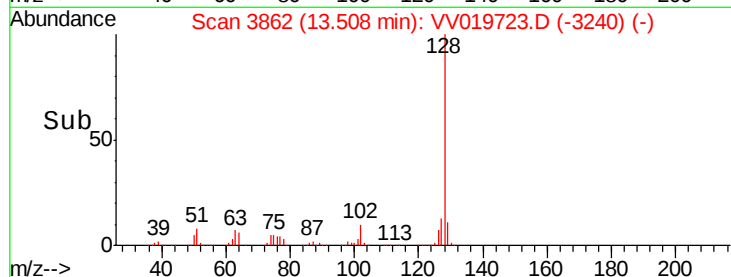
129 10.8 8.6 12.8



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: 46.017 ug/L

RT: 13.75 min Scan# 3938

Delta R.T. 0.00 min

Lab File: VV019723.D

Acq: 19 Dec 2020 02:54

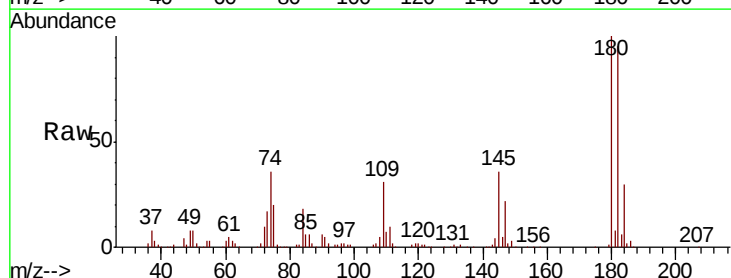
Tgt Ion:180 Resp: 250938

Ion Ratio Lower Upper

180 100

182 96.1 75.8 113.6

145 36.4 29.1 43.7



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

