

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV123120\
 Data File : VV019878.D
 Acq On : 31 Dec 2020 13:37
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB351

Quant Time: Jan 01 00:33:19 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR122920WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 31 02:03:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	280024	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	265843	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.25	152	133424	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.30	65	82968	4.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.40%
7) Chloroethane-d5	1.57	69	72338	4.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.00%
11) 1,1-Dichloroethene-d2	2.11	63	181873	4.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.20%
20) 2-Butanone-d5	3.93	46	59378	13.97	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	27.94%#
24) Chloroform-d	4.35	84	156963	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.20%
26) 1,2-Dichloroethane-d4	5.04	65	80504	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.60%
32) Benzene-d6	5.05	84	309487	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.80%
36) 1,2-Dichloropropane-d6	6.07	67	93964	4.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.80%
41) Toluene-d8	7.32	98	275254	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.60%
43) trans-1,3-Dichloropropene-	7.63	79	32495	4.26	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.20%
46) 2-Hexanone-d5	8.10	63	131585	42.84	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.68%
56) 1,1,2,2-Tetrachloroethane-	10.22	84	58693	4.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.60%
66) 1,2-Dichlorobenzene-d4	11.63	152	88410	4.27	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	130130	4.858	ug/L 99
3) Chloromethane	1.24	50	134049	4.526	ug/L 98
5) Vinyl chloride	1.31	62	135306	4.656	ug/L 98
6) Bromomethane	1.52	94	77681	4.566	ug/L 97
8) Chloroethane	1.58	64	80515	4.533	ug/L 98
9) Trichlorofluoromethane	1.75	101	170125	4.820	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.11	101	95061	5.006	ug/L 98
12) 1,1-Dichloroethene	2.11	96	91444	4.712	ug/L 95
13) Acetone	2.23	43	56230	17.638	ug/L # 51
14) Carbon disulfide	2.29	76	307556	4.577	ug/L 100
15) Methyl Acetate	2.45	43	34094	4.281	ug/L # 79
16) Methylene chloride	2.51	84	103499	4.381	ug/L 98
17) Methyl tert-butyl Ether	2.78	73	213904	4.408	ug/L 99
18) trans-1,2-Dichloroethene	2.76	96	99282	4.530	ug/L 99
19) 1,1-Dichloroethane	3.19	63	194287	4.580	ug/L 99
21) 2-Butanone	4.01	43	244234	45.535	ug/L 95
22) cis-1,2-Dichloroethene	3.91	96	102523	4.500	ug/L 99

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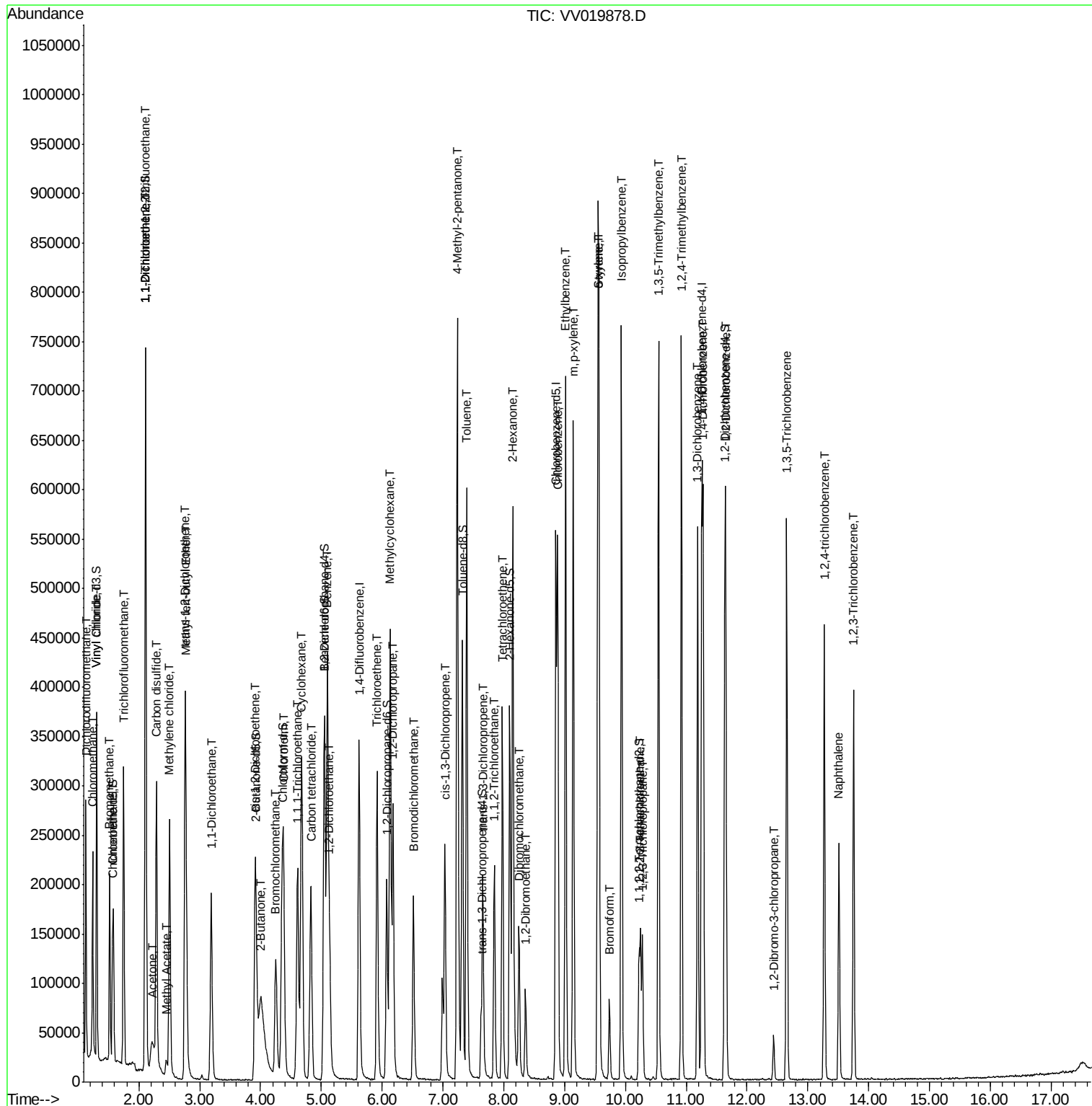
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.25	128	40804	4.492	ug/L	95
25) Chloroform	4.38	83	203437	4.821	ug/L	97
27) 1,2-Dichloroethane	5.14	62	118007	4.590	ug/L	96
29) 1,1,1-Trichloroethane	4.61	97	168665	4.652	ug/L	100
30) Cyclohexane	4.68	56	176342	4.835	ug/L	99
31) Carbon tetrachloride	4.83	117	141094	4.765	ug/L	99
33) Benzene	5.10	78	416350	4.678	ug/L	100
34) Trichloroethene	5.92	95	109904	4.622	ug/L	100
35) Methylcyclohexane	6.13	83	178117	5.007	ug/L	99
37) 1,2-Dichloropropane	6.18	63	102022	4.571	ug/L	100
38) Bromodichloromethane	6.51	83	125778	4.569	ug/L	97
39) cis-1,3-Dichloropropene	7.03	75	138756	4.530	ug/L	96
40) 4-Methyl-2-pentanone	7.23	43	578366	45.886	ug/L	99
42) Toluene	7.39	91	425785	4.710	ug/L	100
44) trans-1,3-Dichloropropene	7.66	75	110908	4.420	ug/L	96
45) 1,1,2-Trichloroethane	7.84	97	65919	4.567	ug/L	98
47) Tetrachloroethene	7.98	164	76516	4.737	ug/L	99
48) 2-Hexanone	8.15	43	410789	47.020	ug/L	99
49) Dibromochloromethane	8.25	129	71437	4.575	ug/L	99
50) 1,2-Dibromoethane	8.36	107	59586	4.545	ug/L	96
51) Chlorobenzene	8.88	112	264671	4.629	ug/L	99
52) Ethylbenzene	9.02	91	475173	4.744	ug/L	98
53) m,p-xylene	9.14	106	175769	4.801	ug/L	99
54) o-xylene	9.55	106	165130	4.705	ug/L	100
55) Styrene	9.57	104	281487	4.746	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.25	83	70627	4.623	ug/L	100
59) Bromoform	9.74	173	31640	4.371	ug/L	99
60) Isopropylbenzene	9.94	105	460455	4.741	ug/L	100
61) 1,2,3-Trichloropropane	10.28	75	57845	4.484	ug/L	99
62) 1,3,5-Trimethylbenzene	10.54	105	381807	4.755	ug/L	99
63) 1,2,4-Trimethylbenzene	10.92	105	386165	4.721	ug/L	99
64) 1,3-Dichlorobenzene	11.19	146	201502	4.725	ug/L	96
65) 1,4-Dichlorobenzene	11.28	146	199178	4.655	ug/L	98
67) 1,2-Dichlorobenzene	11.65	146	180350	4.598	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.44	75	10603	3.986	ug/L	93
69) 1,3,5-Trichlorobenzene	12.65	180	149113	4.717	ug/L	100
70) 1,2,4-trichlorobenzene	13.27	180	119411	4.646	ug/L	99
71) Naphthalene	13.51	128	174591	4.490	ug/L	99
72) 1,2,3-Trichlorobenzene	13.75	180	102277	4.675	ug/L	99

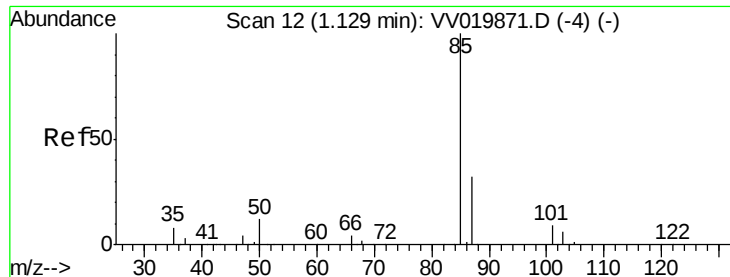
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#2

Dichlorodifluoromethane

Concen: 4.858 ug/L

RT: 1.13 min Scan# 12

Delta R.T. -0.00 min

Lab File: VV019878.D

Acq: 31 Dec 2020 13:37

Instrument :

MSVOA_V

ClientSampleId :

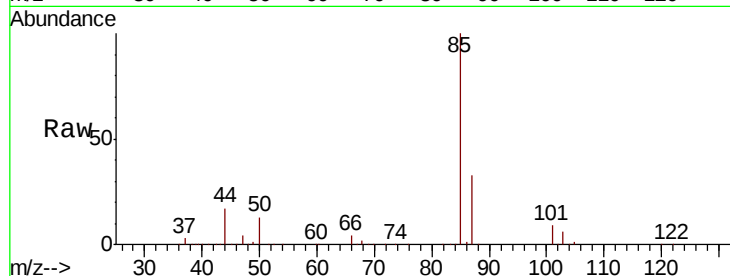
BFB351

Tot Ion: 85 Resp: 130130

Ion Ratio Lower Upper

85 100

87 32.3 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.13

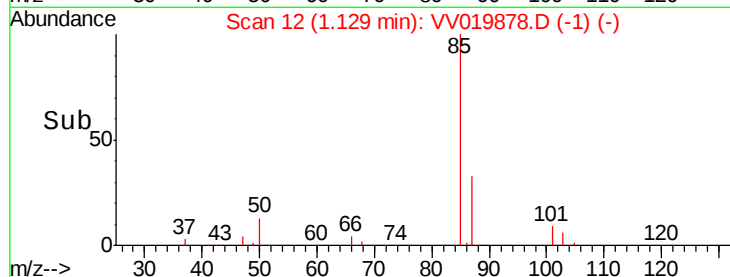
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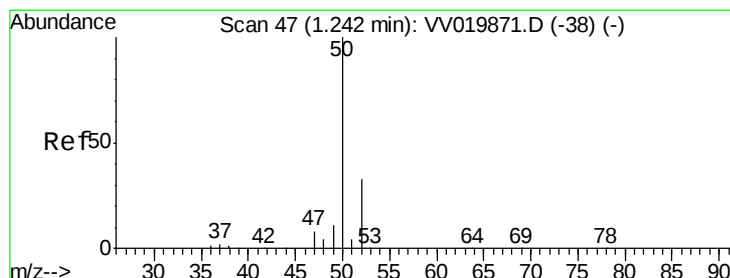
50000

0

Time-->



Time-->



#3

Chloromethane

Concen: 4.526 ug/L

RT: 1.24 min Scan# 46

Delta R.T. -0.00 min

Lab File: VV019878.D

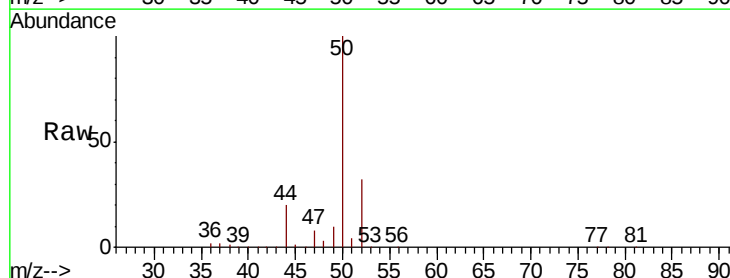
Acq: 31 Dec 2020 13:37

Tgt Ion: 50 Resp: 134049

Ion Ratio Lower Upper

50 100

52 32.0 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

1.24

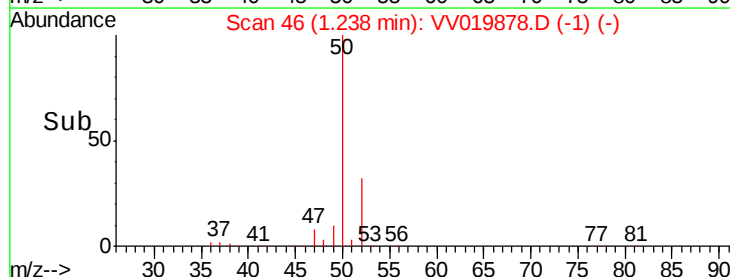
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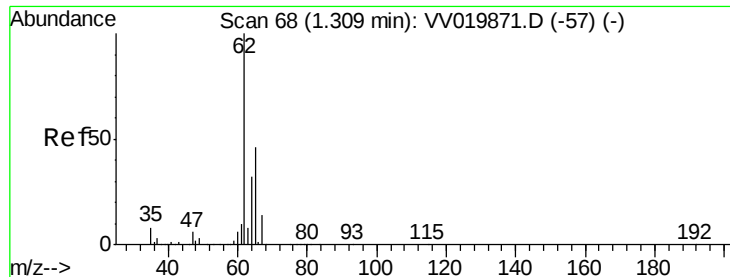
100000

50000

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Time-->





#5

Vinyl chloride

Concen: 4.656 ug/L

RT: 1.31 min Scan# 68

Delta R.T. -0.00 min

Lab File: VV019878.D

Acq: 31 Dec 2020 13:37

Instrument :

MSVOA_V

ClientSampleId :

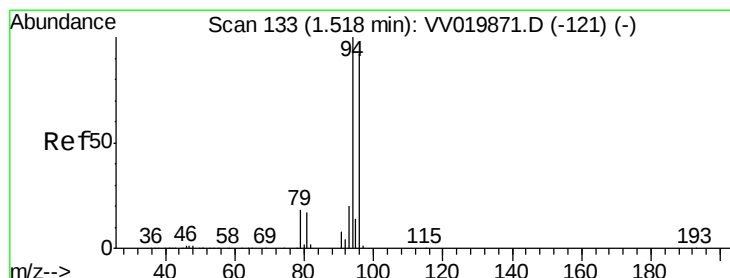
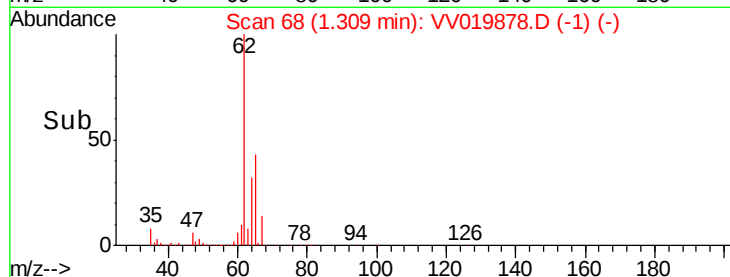
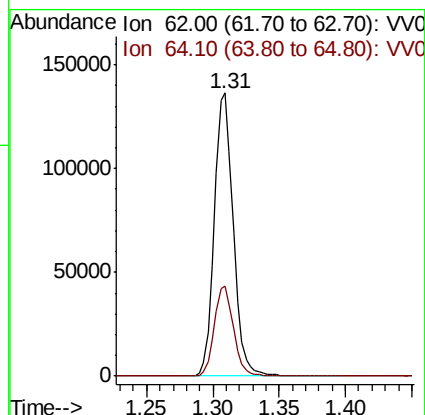
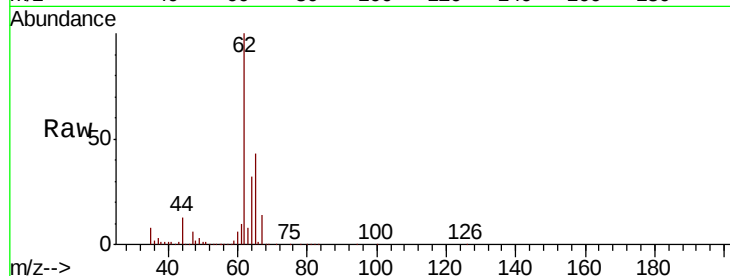
BFB351

Tot Ion: 62 Resp: 135306

Ion Ratio Lower Upper

62 100

64 31.8 23.2 43.2



#6

Bromomethane

Concen: 4.566 ug/L

RT: 1.52 min Scan# 133

Delta R.T. -0.00 min

Lab File: VV019878.D

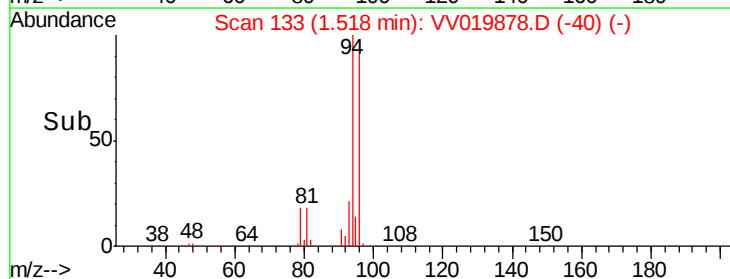
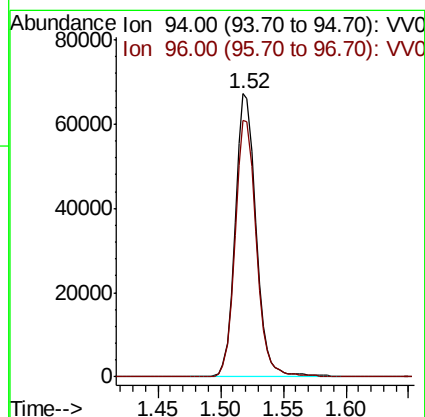
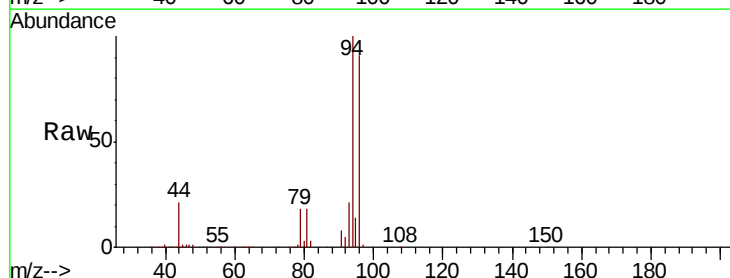
Acq: 31 Dec 2020 13:37

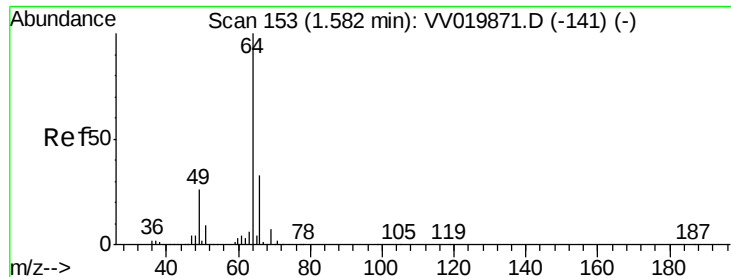
Tgt Ion: 94 Resp: 77681

Ion Ratio Lower Upper

94 100

96 90.5 65.6 121.8





#8

Chloroethane

Concen: 4.533 ug/L

RT: 1.58 min Scan# 153

Delta R.T. -0.00 min

Lab File: VV019878.D

Acq: 31 Dec 2020 13:37

Instrument :

MSVOA_V

ClientSampleId :

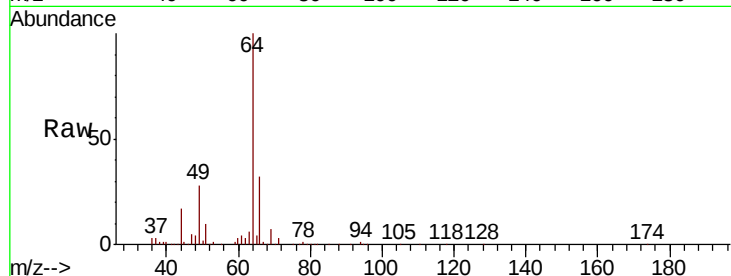
BFB351

Tot Ion: 64 Resp: 80515

Ion Ratio Lower Upper

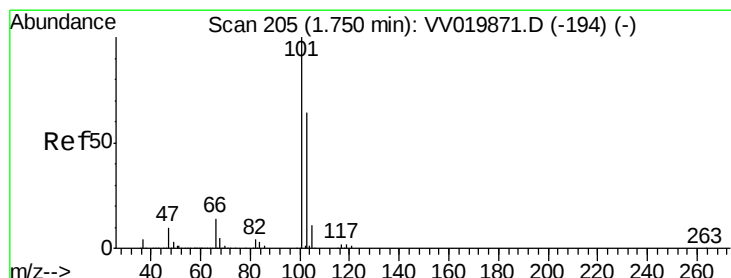
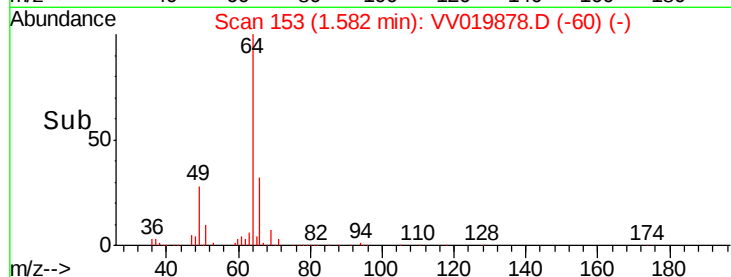
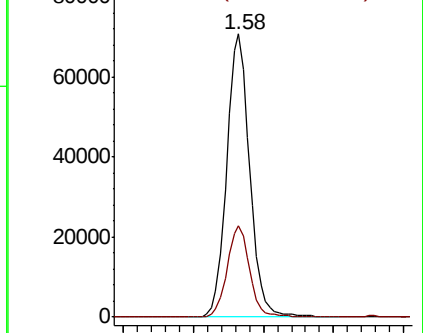
64 100

66 32.4 22.0 40.8



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0



#9

Trichlorofluoromethane

Concen: 4.820 ug/L

RT: 1.75 min Scan# 205

Delta R.T. -0.00 min

Lab File: VV019878.D

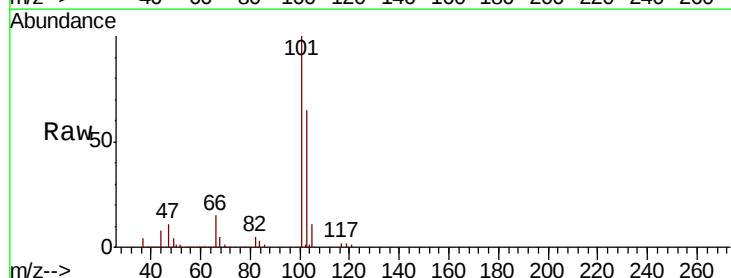
Acq: 31 Dec 2020 13:37

Tgt Ion:101 Resp: 170125

Ion Ratio Lower Upper

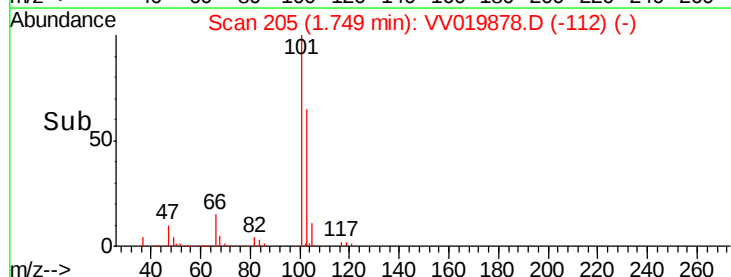
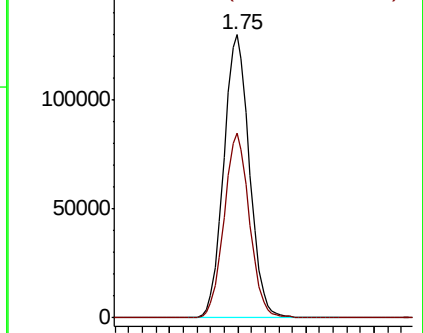
101 100

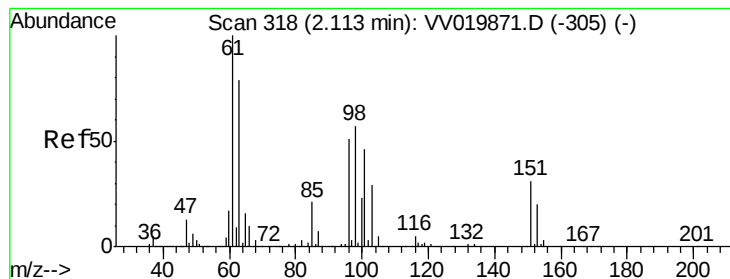
103 64.3 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 5.006 ug/L

RT: 2.11 min Scan# 318

Delta R.T. -0.00 min

Lab File: VV019878.D

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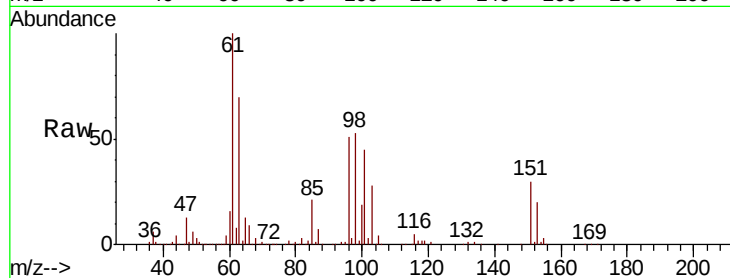
Tot Ion:101 Resp: 95061

Ion Ratio Lower Upper

101 100

85 46.8 36.4 54.6

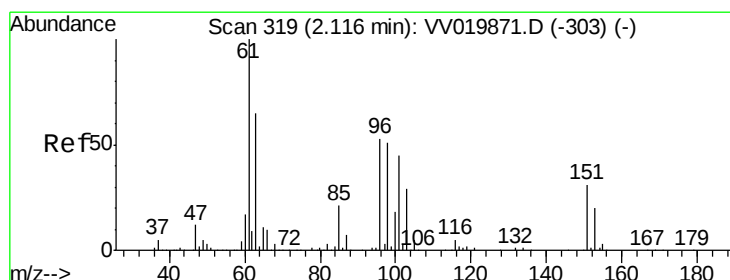
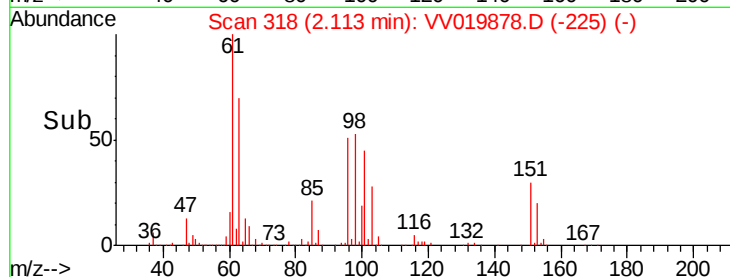
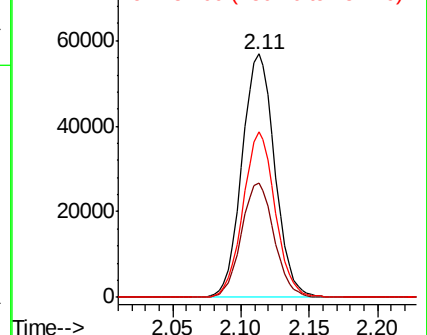
151 66.6 54.1 81.1



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: 4.712 ug/L

RT: 2.11 min Scan# 318

Delta R.T. -0.00 min

Lab File: VV019878.D

Acq: 31 Dec 2020 13:37

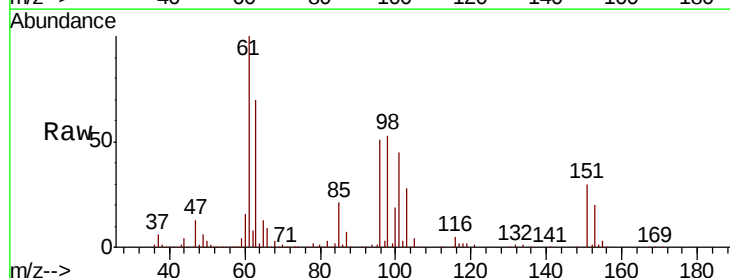
Tgt Ion: 96 Resp: 91444

Ion Ratio Lower Upper

96 100

61 197.5 131.5 244.1

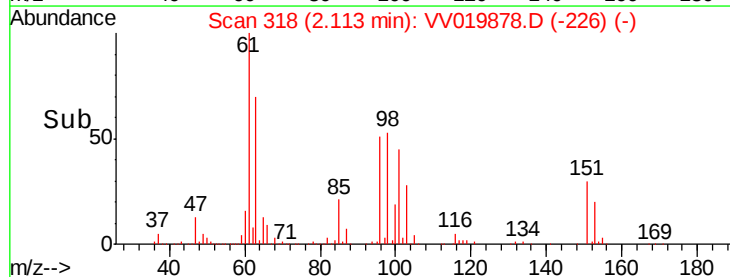
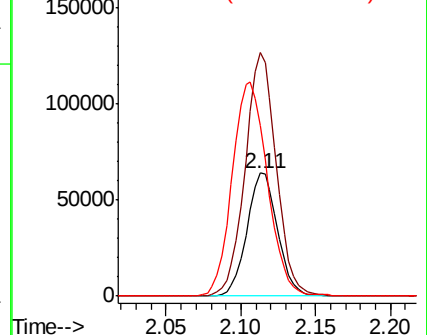
63 138.2 95.2 176.8

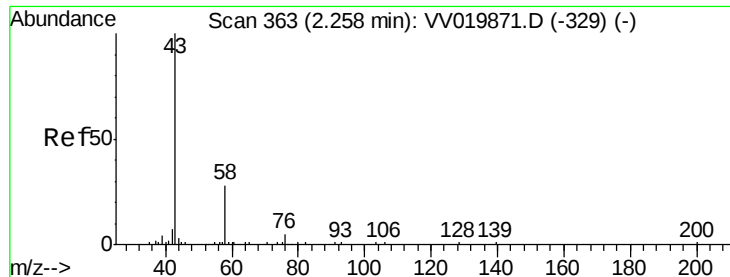


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 17.638 ug/L

RT: 2.23 min Scan# 355

Delta R.T. -0.03 min

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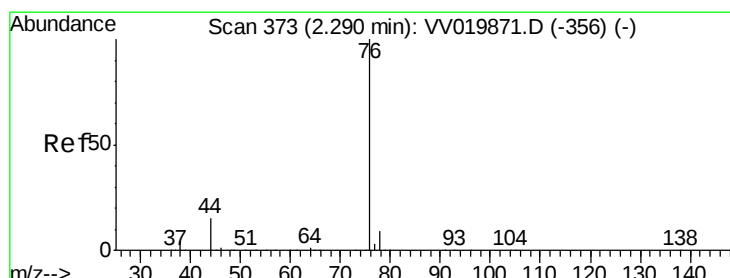
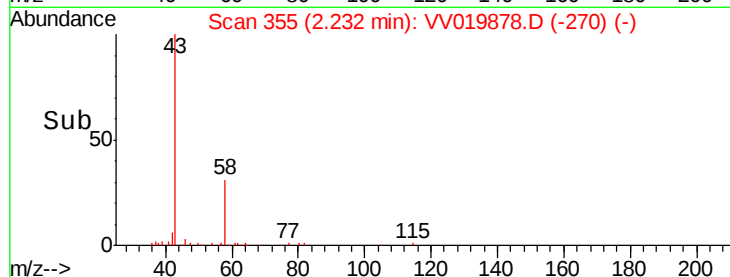
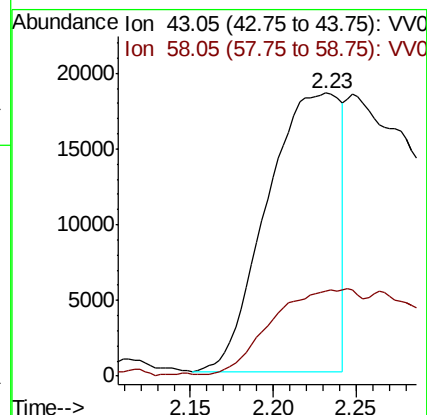
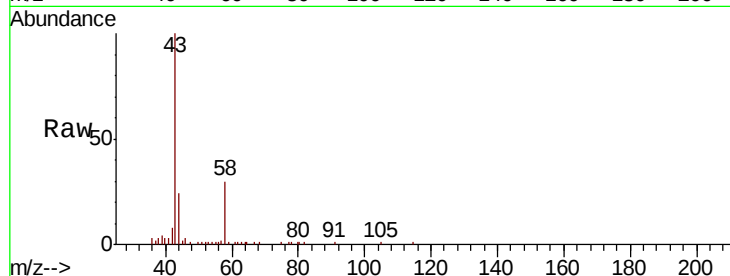
BFB351

Tot Ion: 43 Resp: 56230

Ion Ratio Lower Upper

43 100

58 36.2 0.0 31.4#



#14

Carbon disulfide

Concen: 4.577 ug/L

RT: 2.29 min Scan# 372

Delta R.T. -0.00 min

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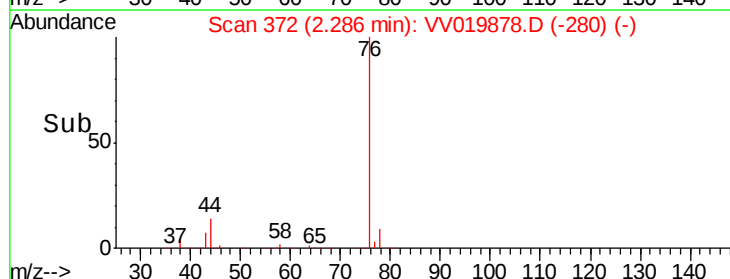
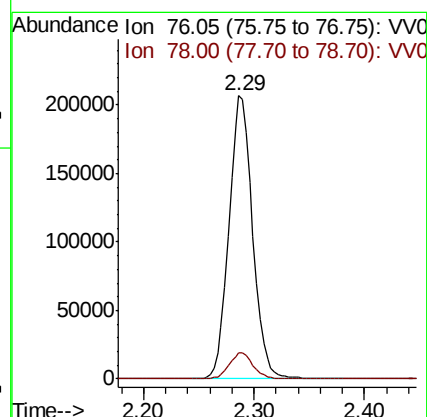
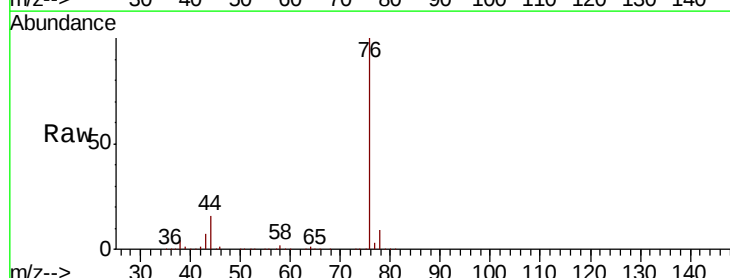
Acq: 31 Dec 2020 13:37

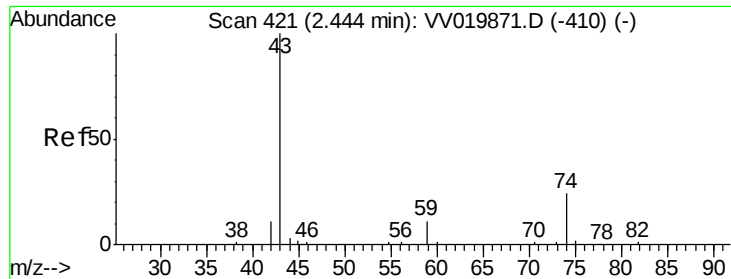
Tgt Ion: 76 Resp: 307556

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8

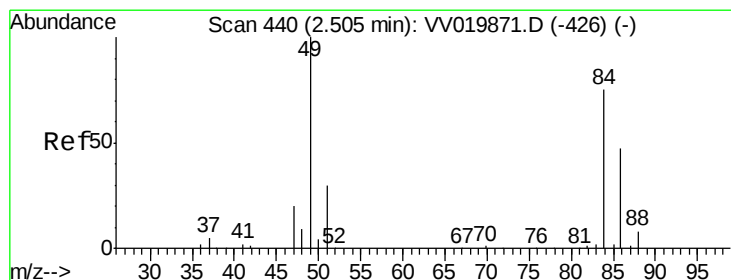
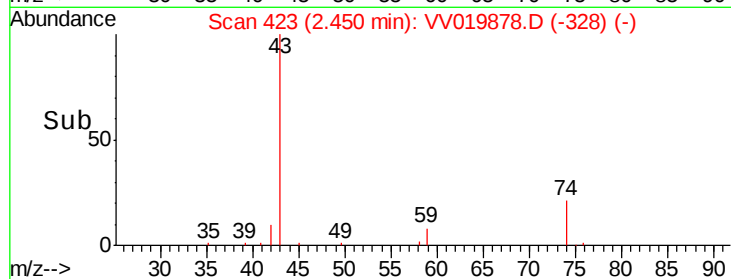
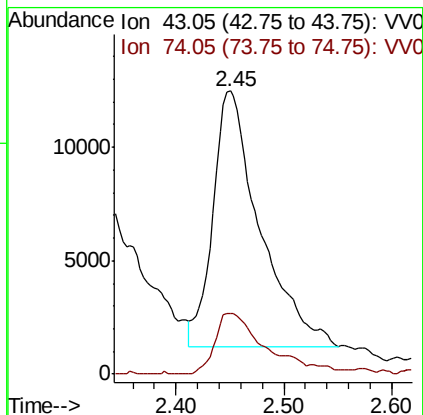
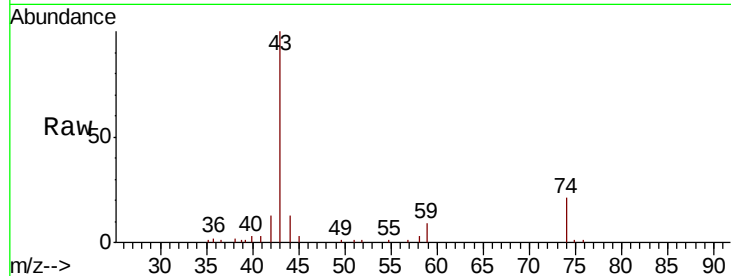




#15
Methvl Acetate
Concen: 4.281 ug/L
RT: 2.45 min Scan# 423
Delta R.T. 0.01 min
Lab File: VV019878.D
Acq: 31 Dec 2020 13:37

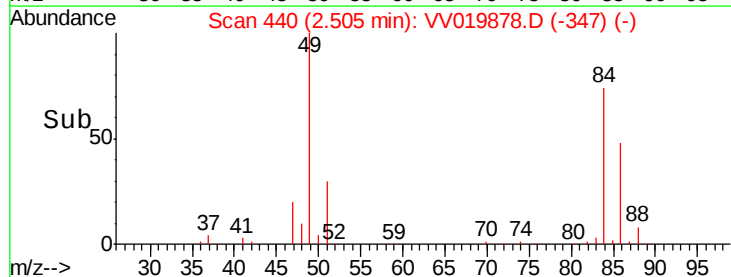
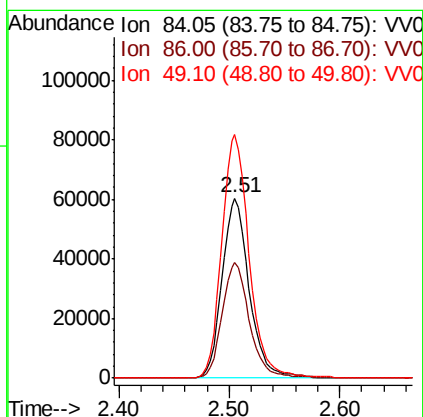
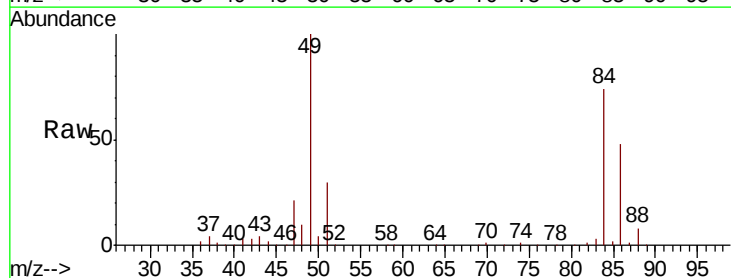
Instrument :
MSVOA_V
ClientSampled :
BFB351

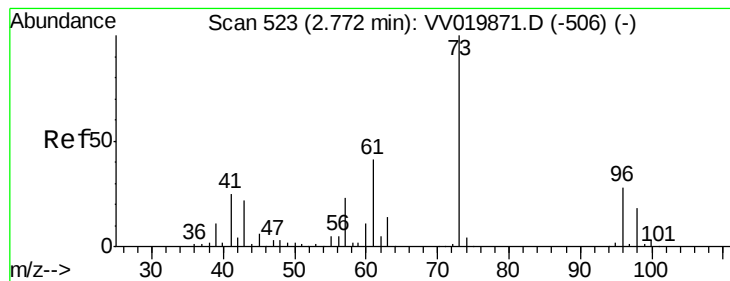
Tot Ion: 43 Resp: 34094
Ion Ratio Lower Upper
43 100
74 21.8 10.6 16.0#



#16
Methylene chloride
Concen: 4.381 ug/L
RT: 2.51 min Scan# 440
Delta R.T. -0.00 min
Lab File: VV019878.D
Acq: 31 Dec 2020 13:37

Tgt Ion: 84 Resp: 103499
Ion Ratio Lower Upper
84 100
86 64.2 42.8 79.4
49 135.2 93.9 174.3



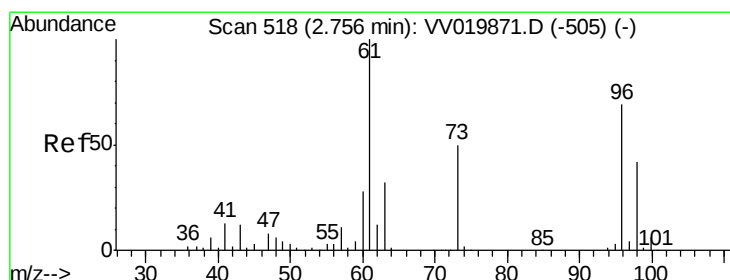
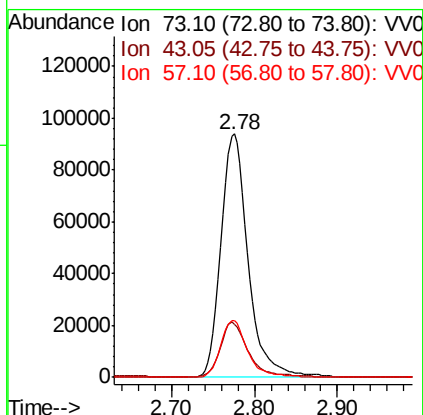
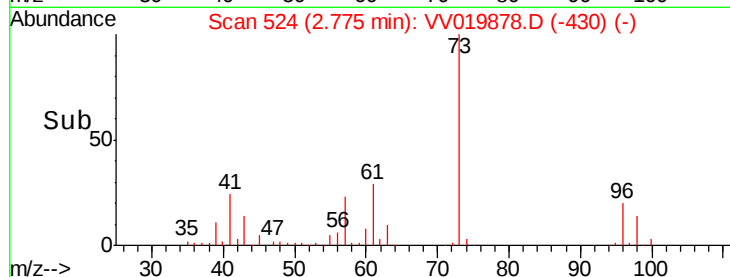
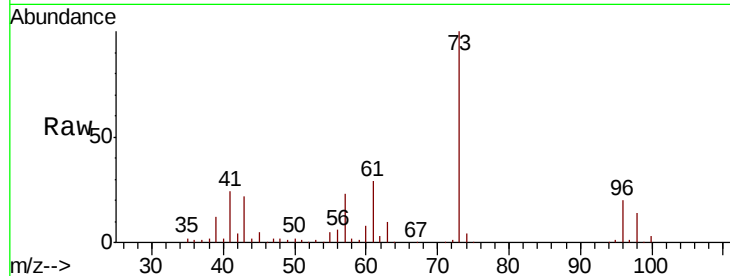


#17

Methvl tert-butvl Ether
 Concen: 4.408 ug/L
 RT: 2.78 min Scan# 524
 Delta R.T. 0.00 min
 Lab File: VV019878.D
 Acq: 31 Dec 2020 13:37

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB351

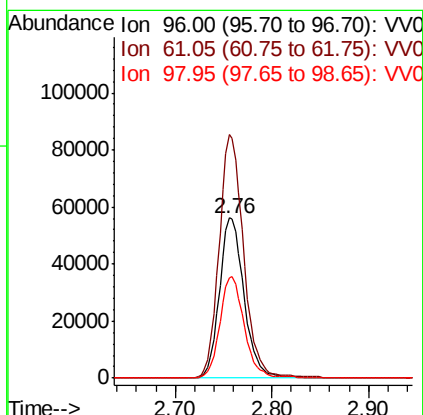
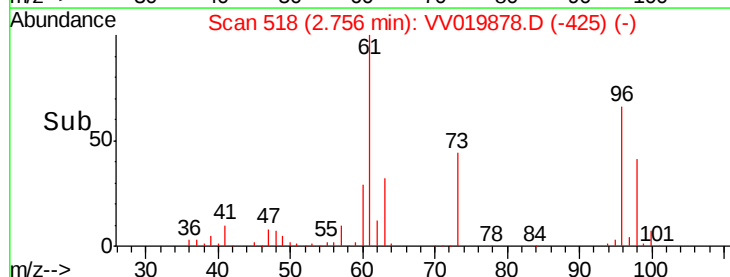
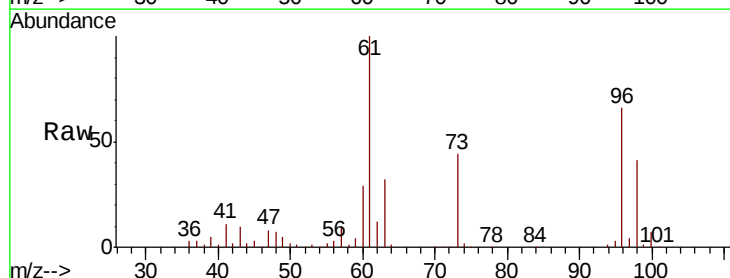
Tot Ion: 73 Resp: 213904
 Ion Ratio Lower Upper
 73 100
 43 22.2 17.0 25.6
 57 22.8 18.2 27.4

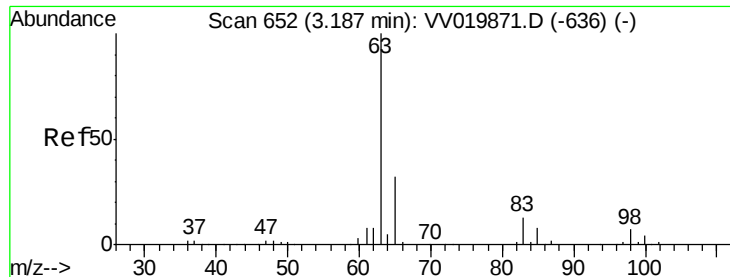


#18

trans-1,2-Dichloroethene
 Concen: 4.530 ug/L
 RT: 2.76 min Scan# 518
 Delta R.T. -0.00 min
 Lab File: VV019878.D
 Acq: 31 Dec 2020 13:37

Tgt Ion: 96 Resp: 99282
 Ion Ratio Lower Upper
 96 100
 61 152.1 106.3 197.3
 98 62.8 44.7 82.9





#19

1,1-Dichloroethane

Concen: 4.580 ug/L

RT: 3.19 min Scan# 653

Delta R.T. 0.00 min

Lab File: VV019878.D

Acq: 31 Dec 2020 13:37

Instrument :

MSVOA_V

ClientSampleId :

BFB351

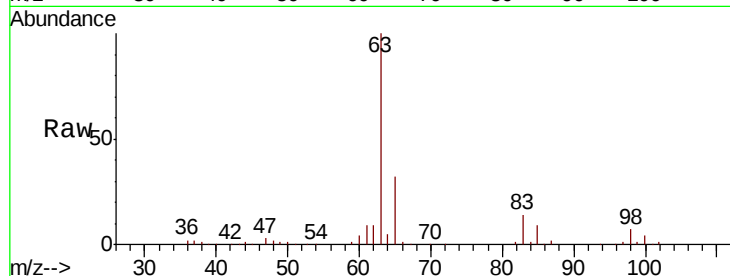
Tot Ion: 63 Resp: 194287

Ion Ratio Lower Upper

63 100

65 31.5 21.8 40.6

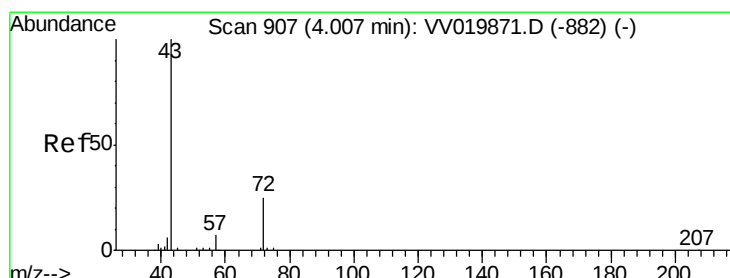
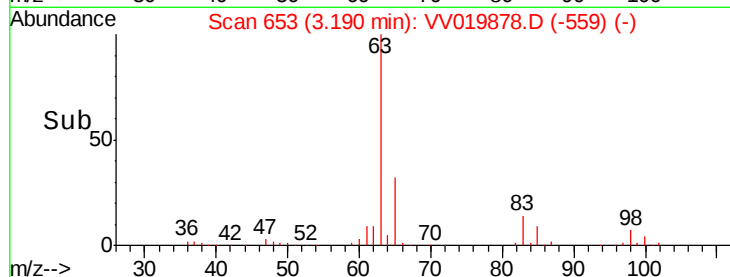
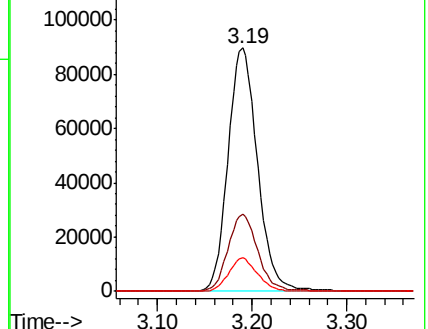
83 14.0 9.0 16.8



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 45.535 ug/L

RT: 4.01 min Scan# 908

Delta R.T. 0.00 min

Lab File: VV019878.D

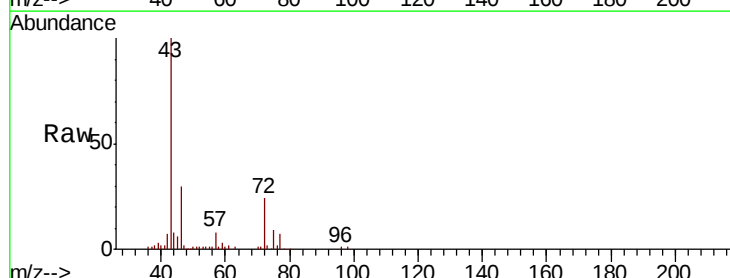
Acq: 31 Dec 2020 13:37

Tgt Ion: 43 Resp: 244234

Ion Ratio Lower Upper

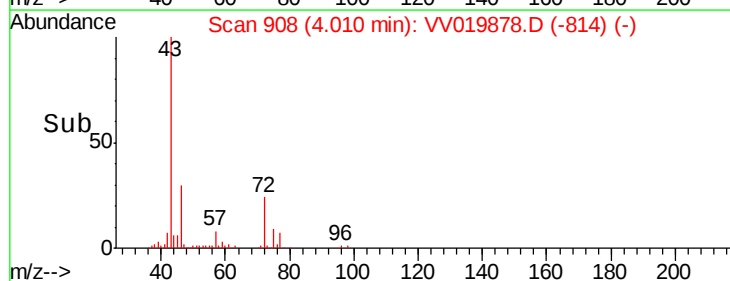
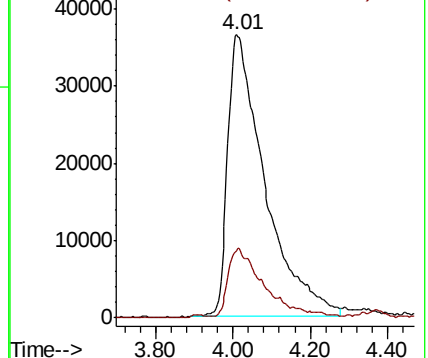
43 100

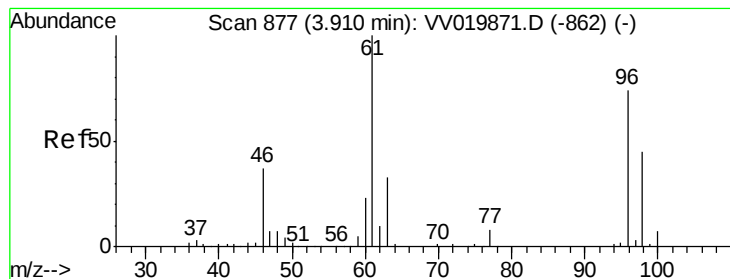
72 19.5 10.9 32.7



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0



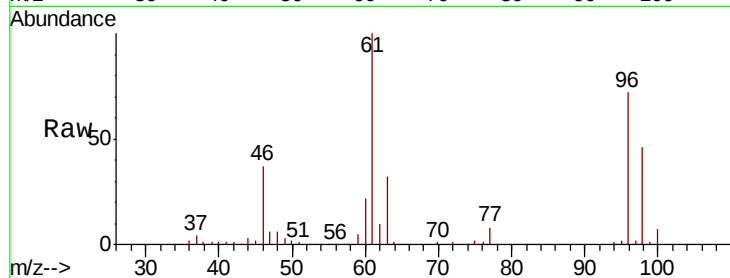


#22

cis-1,2-Dichloroethene
Concen: 4.500 ug/L
RT: 3.91 min Scan# 878
Delta R.T. 0.00 min
Lab File: VV019878.D
Acq: 31 Dec 2020 13:37

Instrument :
MSVOA_V
ClientSampleId :
BFB351

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.3	98.1	182.3
68	0.0	0.0	0.0

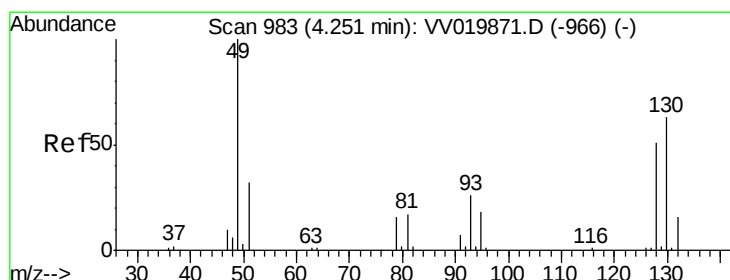
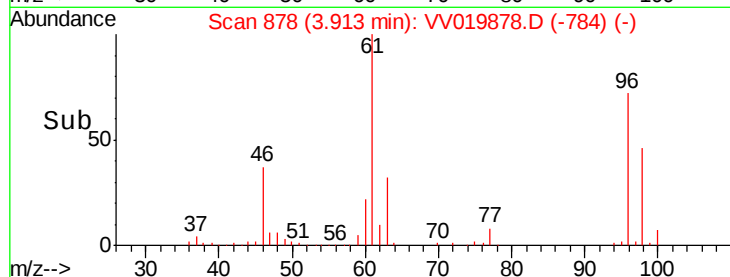
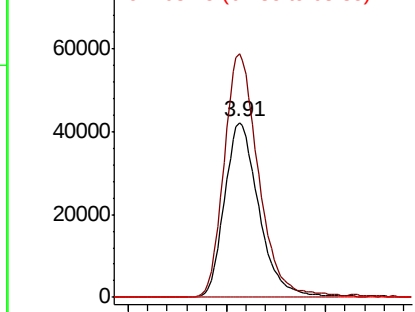


Abundance

Ion 96.00 (95.70 to 96.70): VV019878.D (-862) (-)

Ion 61.05 (60.75 to 61.75): VV019878.D (-862) (-)

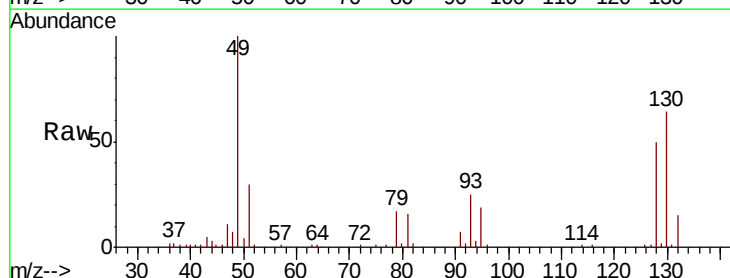
Ion 68.15 (67.85 to 68.85): VV019878.D (-862) (-)



#23

Bromochloromethane
Concen: 4.492 ug/L
RT: 4.25 min Scan# 983
Delta R.T. -0.00 min
Lab File: VV019878.D
Acq: 31 Dec 2020 13:37

Tgt Ion	Ratio	Lower	Upper
128	100		
49	198.8	132.6	246.2
130	127.7	86.4	160.4
51	59.4	48.0	72.0



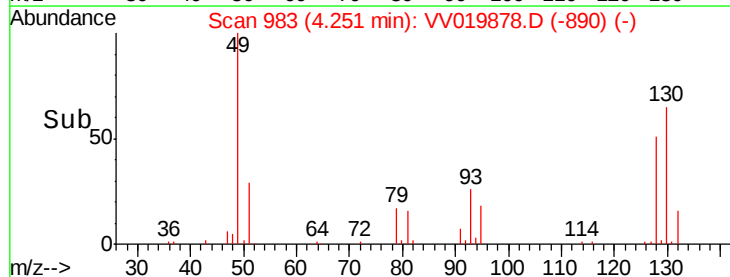
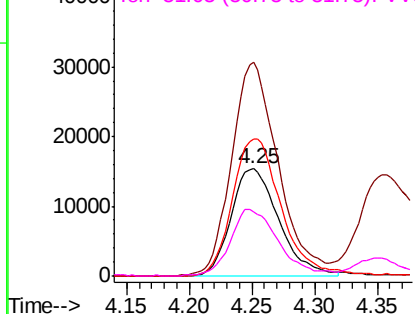
Abundance

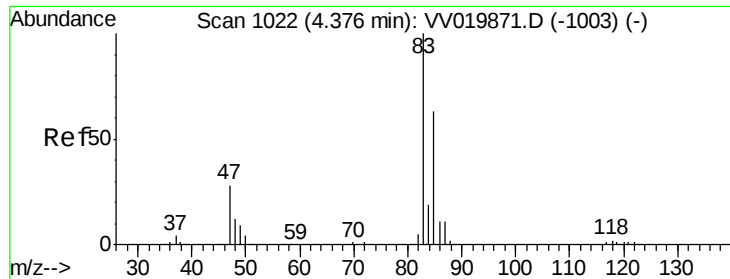
Ion 127.90 (127.60 to 128.60): VV019878.D (-890) (-)

Ion 49.10 (48.80 to 49.80): VV019878.D (-890) (-)

Ion 129.95 (129.65 to 130.65): VV019878.D (-890) (-)

Ion 51.05 (50.75 to 51.75): VV019878.D (-890) (-)

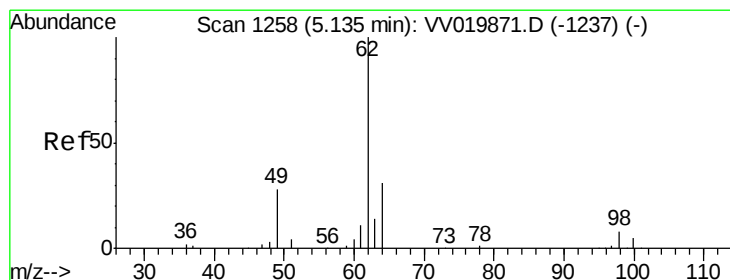
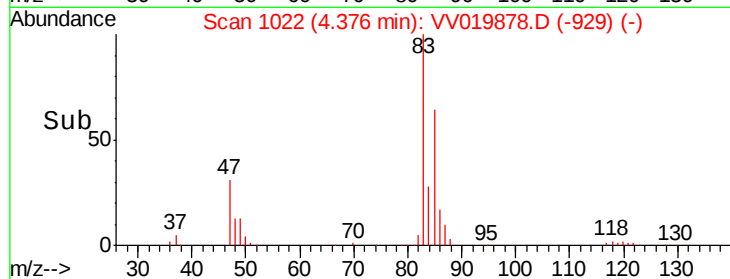
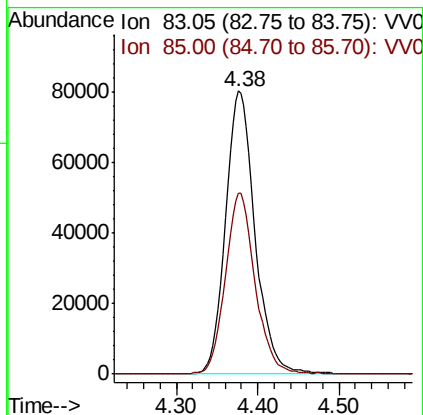
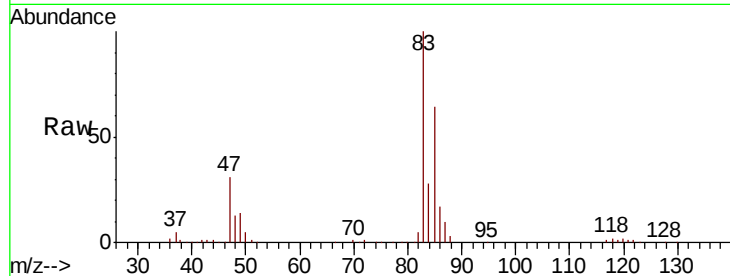




#25
Chloroform
Concen: 4.821 ug/L
RT: 4.38 min Scan# 1022
Delta R.T. -0.00 min
Lab File: VV019878.D
Acq: 31 Dec 2020 13:37

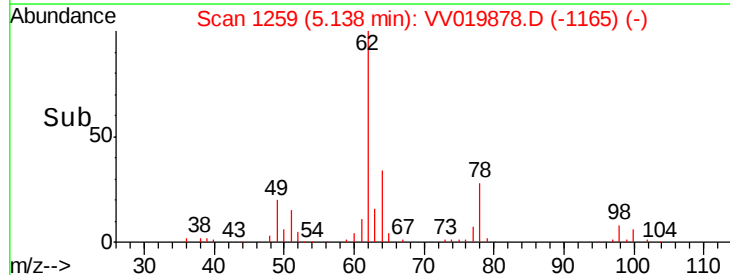
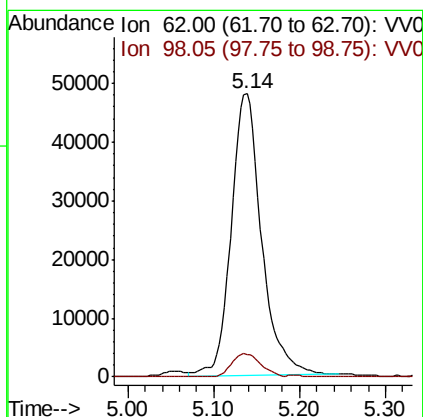
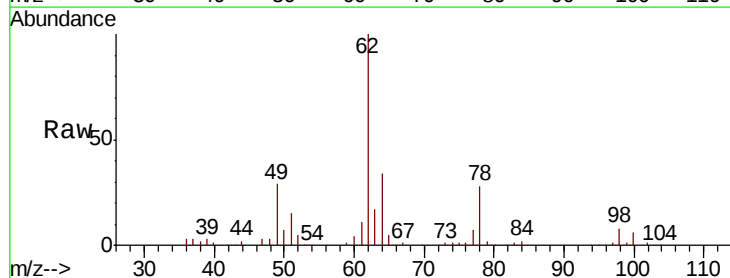
Instrument :
MSVOA_V
ClientSampleId :
BFB351

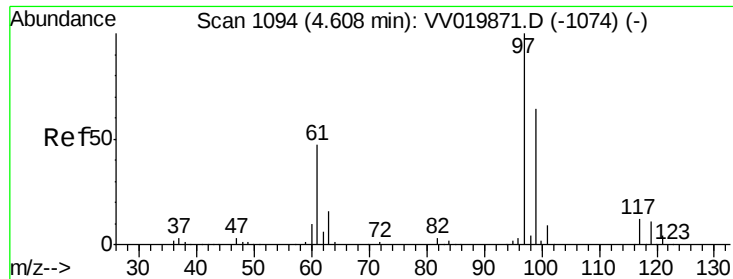
Tot Ion: 83 Resp: 203437
Ion Ratio Lower Upper
83 100
85 64.1 46.4 86.2



#27
1,2-Dichloroethane
Concen: 4.590 ug/L
RT: 5.14 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VV019878.D
Acq: 31 Dec 2020 13:37

Tgt Ion: 62 Resp: 118007
Ion Ratio Lower Upper
62 100
98 8.1 7.6 11.4

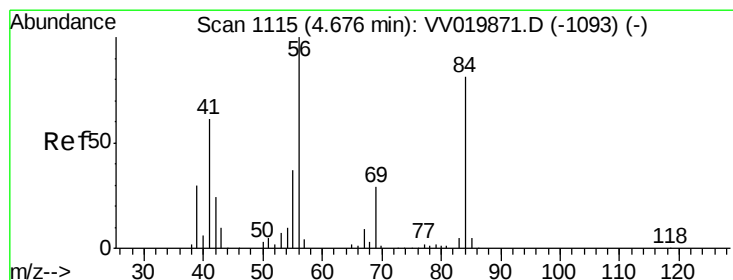
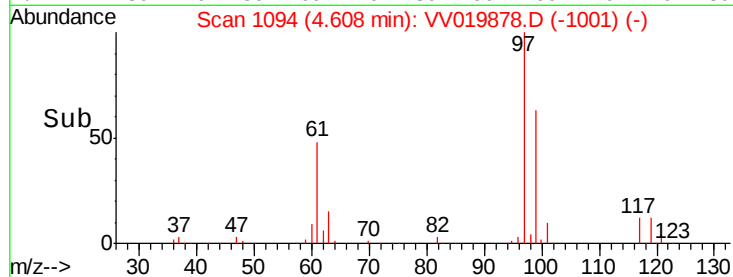
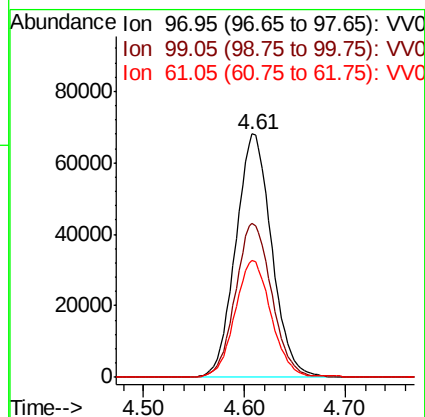
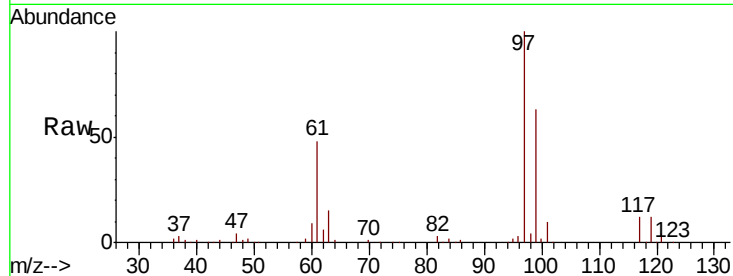




#29
 1,1,1-Trichloroethane
 Concen: 4.652 ug/L
 RT: 4.61 min Scan# 1094
 Delta R.T. -0.00 min
 Lab File: VV019878.D
 Acq: 31 Dec 2020 13:37

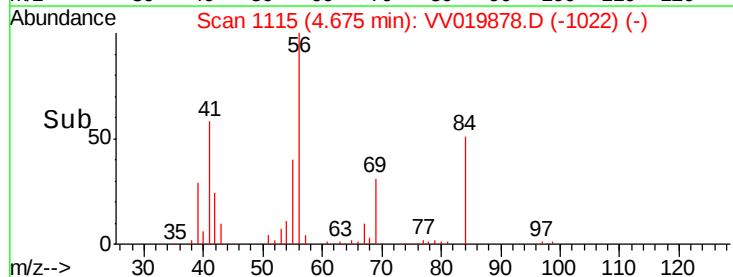
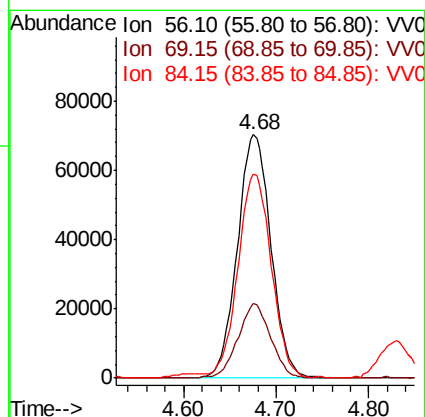
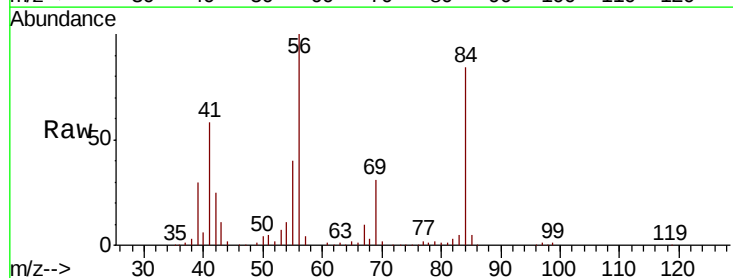
Instrument :
 MSVOA_V
 ClientSampled :
 BFB351

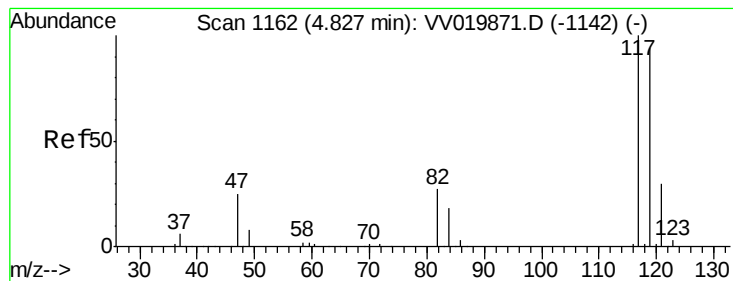
Tot Ion: 97 Resp: 168665
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.1 76.7
 61 48.5 38.6 57.8



#30
 Cyclohexane
 Concen: 4.835 ug/L
 RT: 4.68 min Scan# 1115
 Delta R.T. -0.00 min
 Lab File: VV019878.D
 Acq: 31 Dec 2020 13:37

Tgt Ion: 56 Resp: 176342
 Ion Ratio Lower Upper
 56 100
 69 29.8 24.1 36.1
 84 83.0 66.8 100.2





#31

Carbon tetrachloride

Concen: 4.765 ug/L

RT: 4.83 min Scan# 1162

Delta R.T. -0.00 min

Lab File: VV019878.D

Acq: 31 Dec 2020 13:37

Instrument :

MSVOA_V

ClientSampleId :

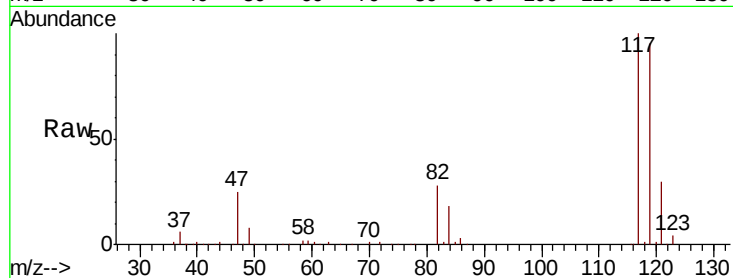
BFB351

Tot Ion:117 Resp: 141094

Ion Ratio Lower Upper

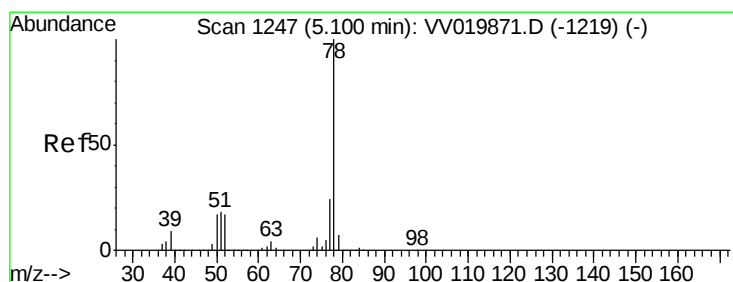
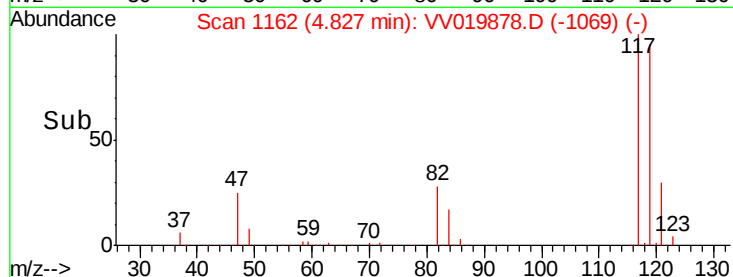
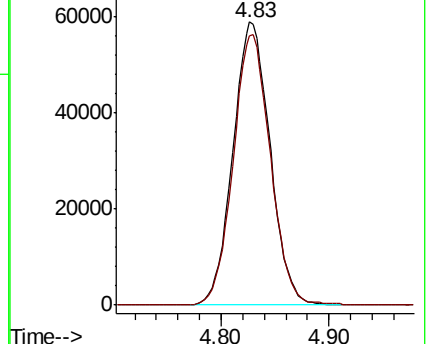
117 100

119 96.0 76.0 114.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.678 ug/L

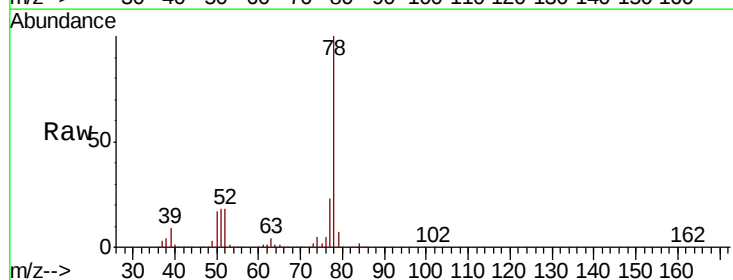
RT: 5.10 min Scan# 1247

Delta R.T. -0.00 min

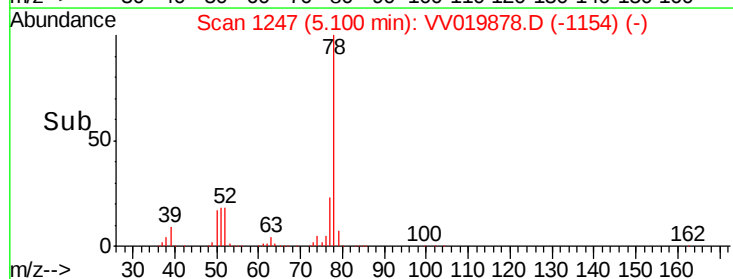
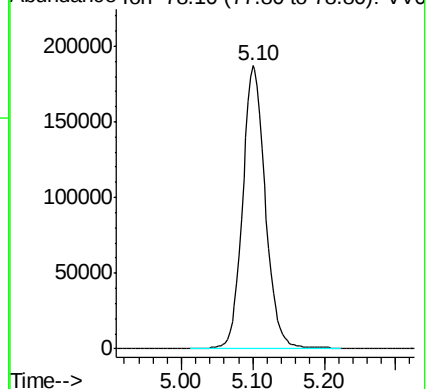
Lab File: VV019878.D

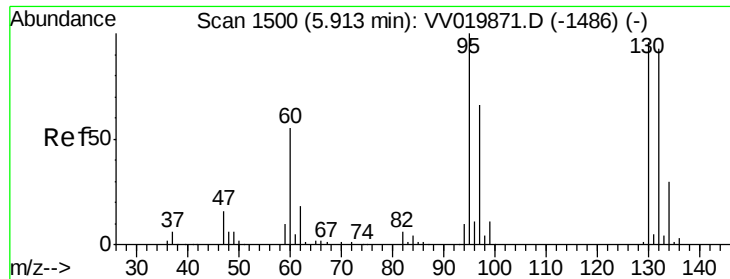
Acq: 31 Dec 2020 13:37

Tgt Ion: 78 Resp: 416350



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.622 ug/L

RT: 5.92 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VV019878.D

Acq: 31 Dec 2020 13:37

Instrument :

MSVOA_V

ClientSampleId :

BFB351

Tot Ion: 95 Resp: 109904

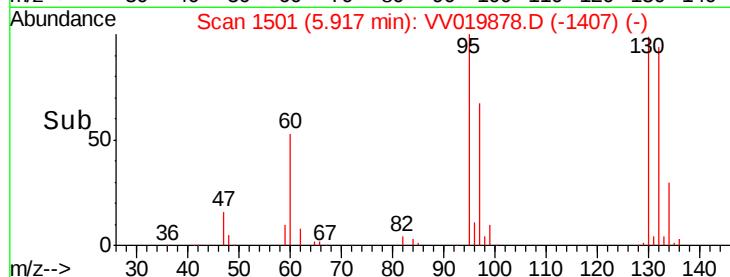
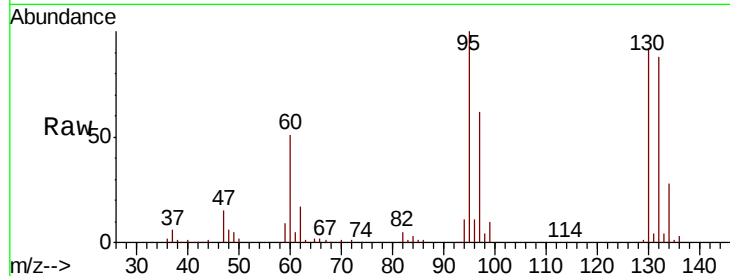
Ion Ratio Lower Upper

95 100

97 62.5 44.1 81.9

132 87.7 61.2 113.8

130 92.4 65.1 120.9



Abundance Ion 95.00 (94.70 to 95.70): VV019878.D (-1407) (-)

Ion 96.95 (96.65 to 97.65): VV019878.D (-1407) (-)

Ion 131.95 (131.65 to 132.65): VV019878.D (-1407) (-)

Ion 129.95 (129.65 to 130.65): VV019878.D (-1407) (-)

Time-->

5.85 5.90 5.95 6.00

5.92

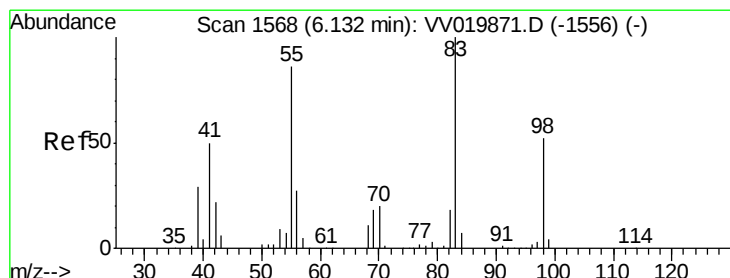
40000

20000

0

5.85 5.90 5.95 6.00

Time-->



#35

Methylcyclohexane

Concen: 5.007 ug/L

RT: 6.13 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VV019878.D

Acq: 31 Dec 2020 13:37

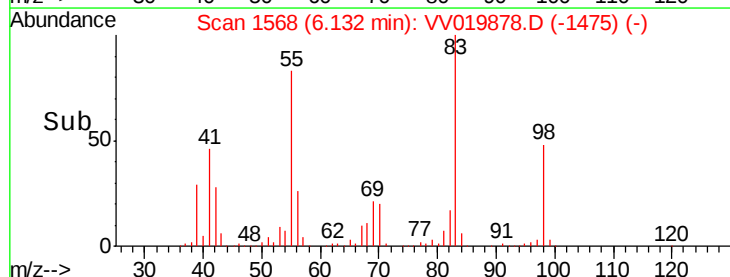
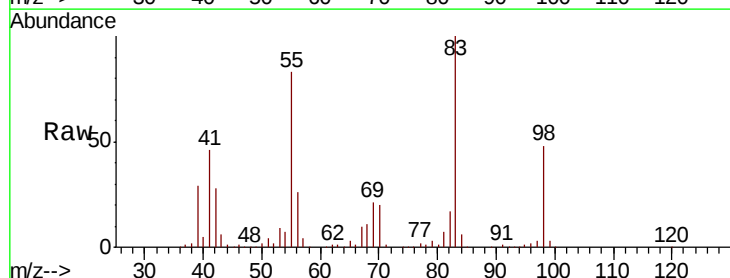
Tgt Ion: 83 Resp: 178117

Ion Ratio Lower Upper

83 100

55 83.4 67.5 101.3

98 47.4 38.6 58.0



Abundance Ion 83.15 (82.85 to 83.85): VV019878.D (-1475) (-)

Ion 55.10 (54.80 to 55.80): VV019878.D (-1475) (-)

Ion 98.15 (97.85 to 98.85): VV019878.D (-1475) (-)

Time-->

6.05 6.10 6.15 6.20

6.13

120000

100000

80000

60000

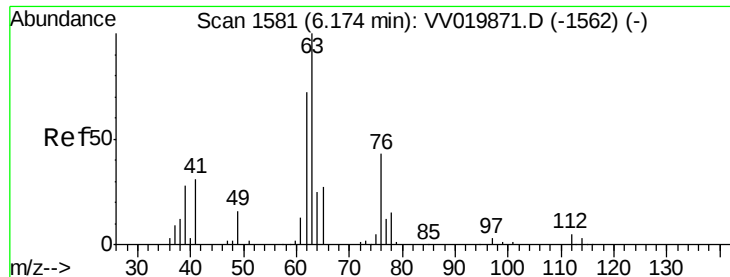
40000

20000

0

6.05 6.10 6.15 6.20

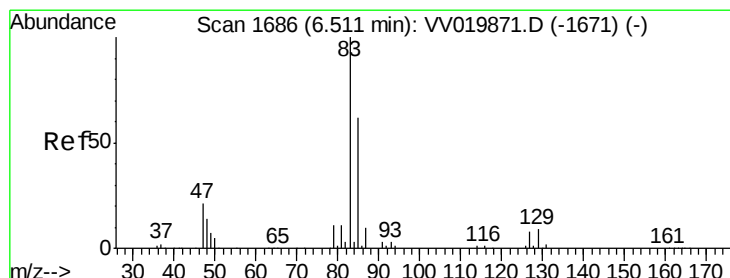
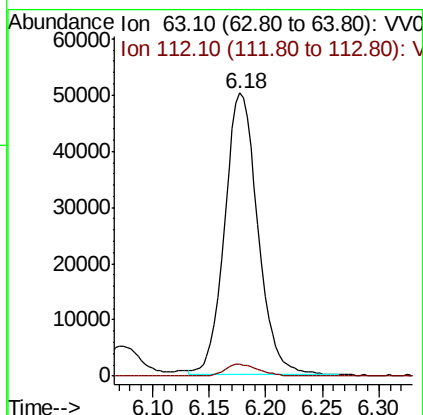
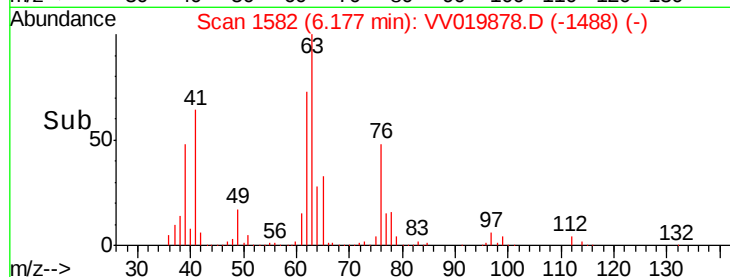
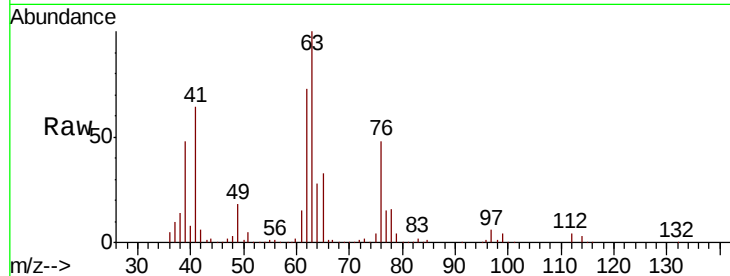
Time-->



#37
 1,2-Dichloropropane
 Concen: 4.571 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV019878.D
 Acq: 31 Dec 2020 13:37

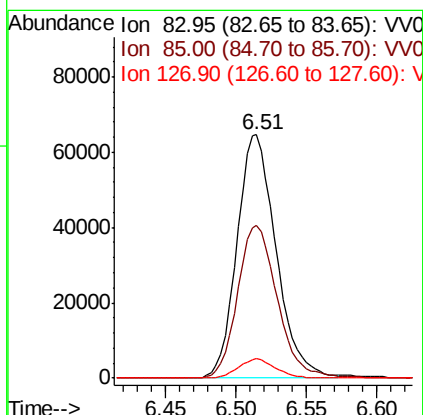
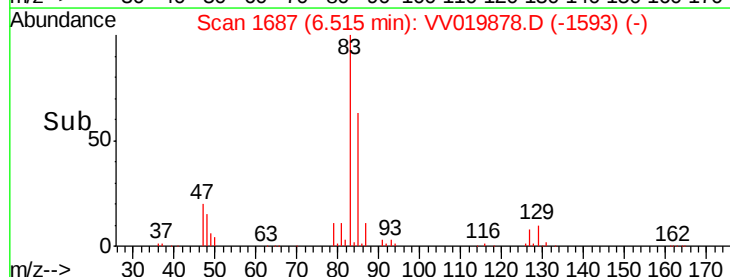
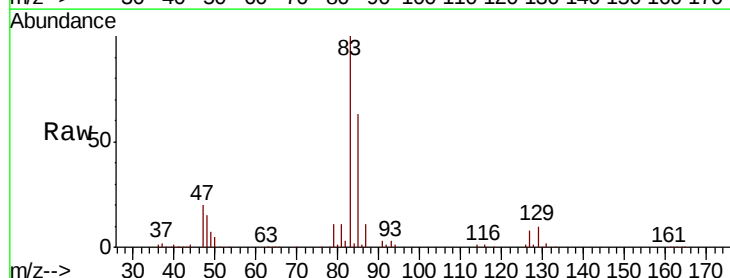
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB351

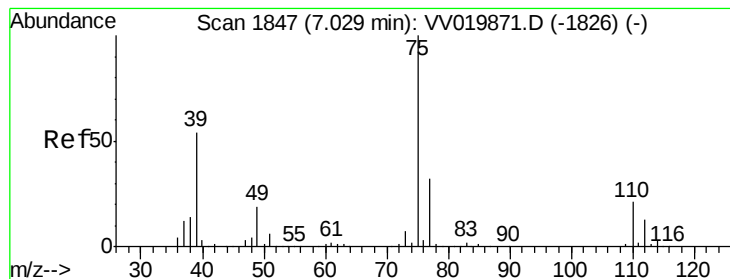
Tot Ion: 63 Resp: 102022
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.6 5.4



#38
 Bromodichloromethane
 Concen: 4.569 ug/L
 RT: 6.51 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VV019878.D
 Acq: 31 Dec 2020 13:37

Tgt Ion: 83 Resp: 125778
 Ion Ratio Lower Upper
 83 100
 85 62.6 45.9 85.3
 127 7.9 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 4.530 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VV019878.D

Acq: 31 Dec 2020 13:37

Instrument :

MSVOA_V

ClientSampleId :

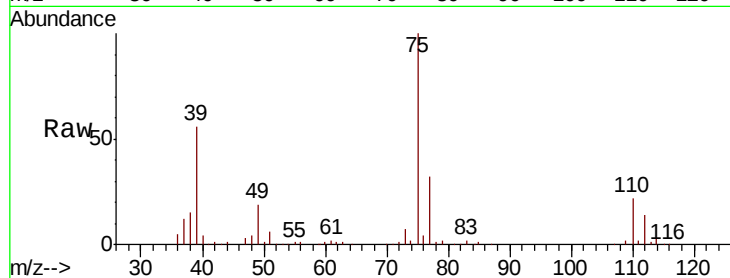
BFB351

Tot Ion: 75 Resp: 138756

Ion Ratio Lower Upper

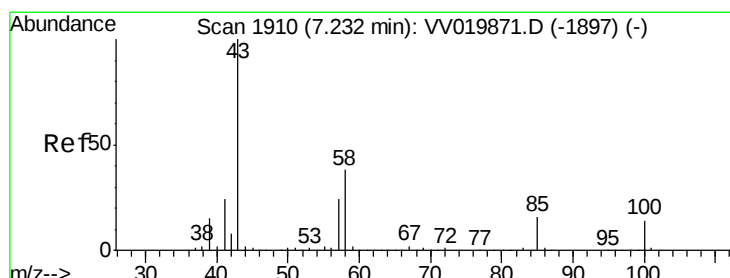
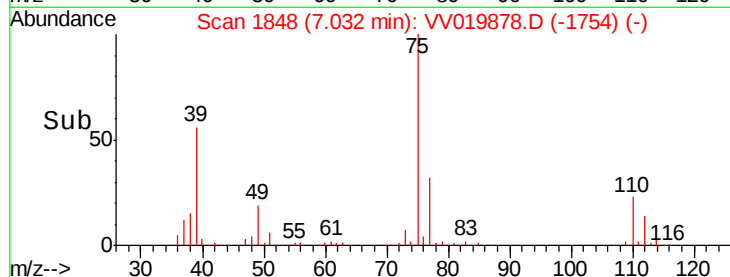
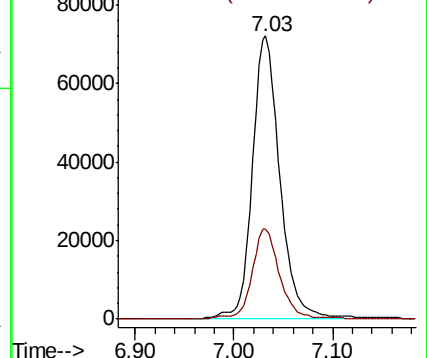
75 100

77 31.9 21.0 39.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#40

4-Methyl-2-pentanone

Concen: 45.886 ug/L

RT: 7.23 min Scan# 1911

Delta R.T. 0.00 min

Lab File: VV019878.D

Acq: 31 Dec 2020 13:37

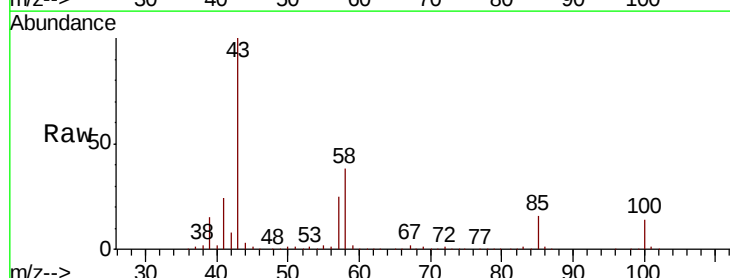
Tgt Ion: 43 Resp: 578366

Ion Ratio Lower Upper

43 100

58 36.6 30.0 45.0

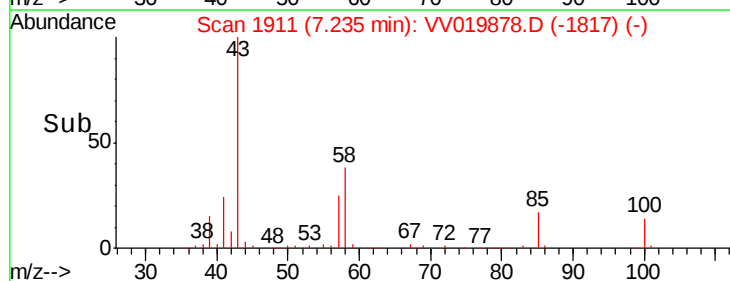
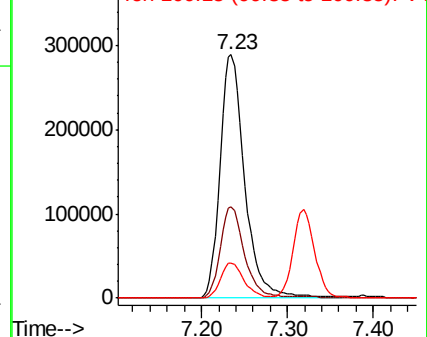
100 13.7 11.4 17.0

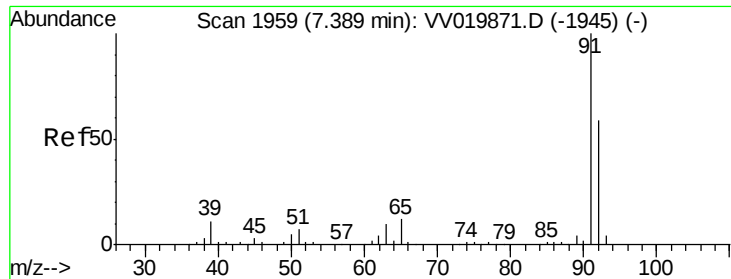


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 4.710 ug/L

RT: 7.39 min Scan# 1960

Delta R.T. 0.00 min

Lab File: VV019878.D

Acq: 31 Dec 2020 13:37

Instrument :

MSVOA_V

ClientSampleId :

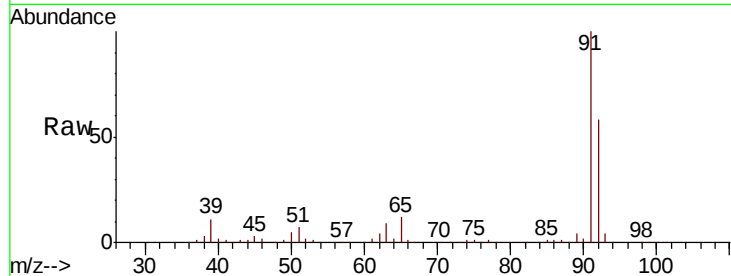
BFB351

Tot Ion: 91 Resp: 425785

Ion Ratio Lower Upper

91 100

92 58.3 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.39

250000

200000

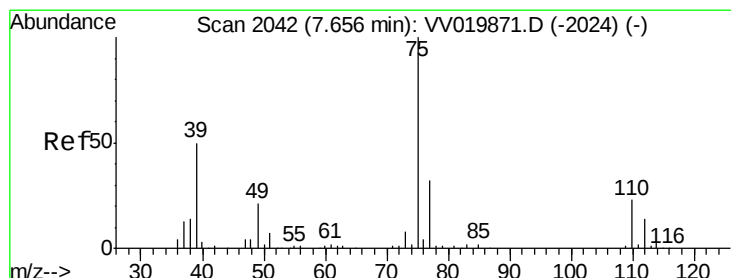
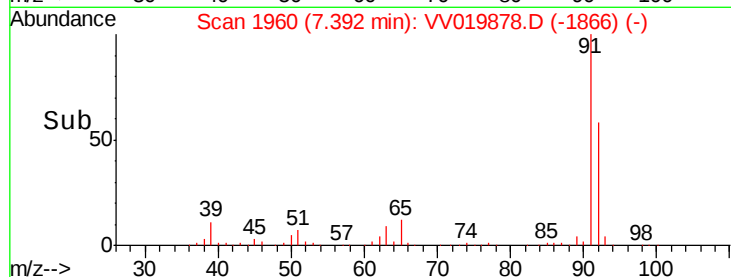
150000

100000

50000

0

Time--> 7.30 7.40 7.50



#44

trans-1,3-Dichloropropene

Concen: 4.420 ug/L

RT: 7.66 min Scan# 2042

Delta R.T. -0.00 min

Lab File: VV019878.D

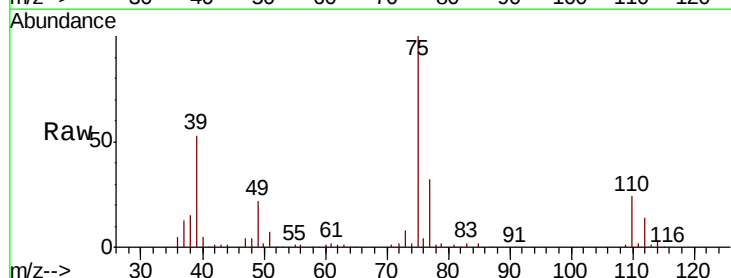
Acq: 31 Dec 2020 13:37

Tgt Ion: 75 Resp: 110908

Ion Ratio Lower Upper

75 100

77 32.5 21.1 39.3



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.66

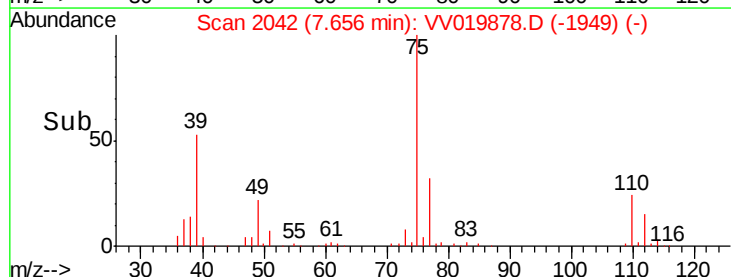
60000

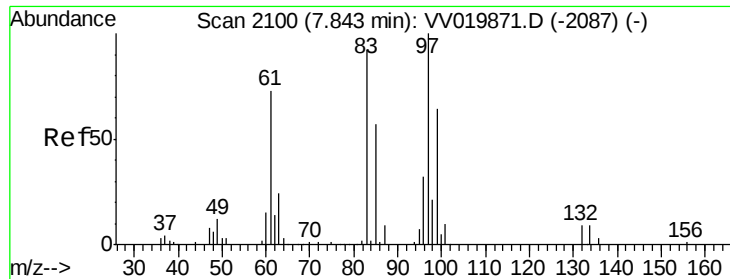
40000

20000

0

Time--> 7.55 7.60 7.65 7.70 7.75

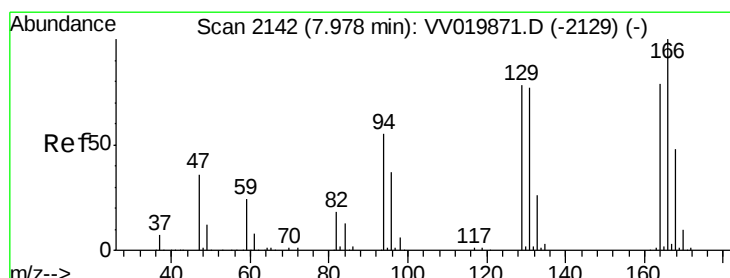
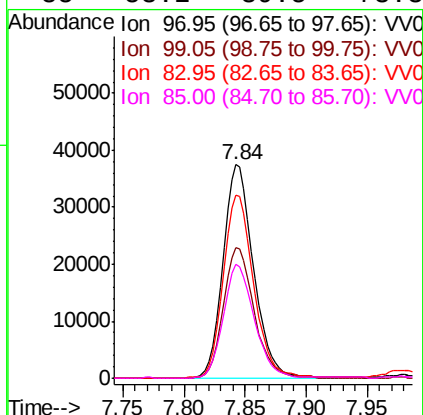
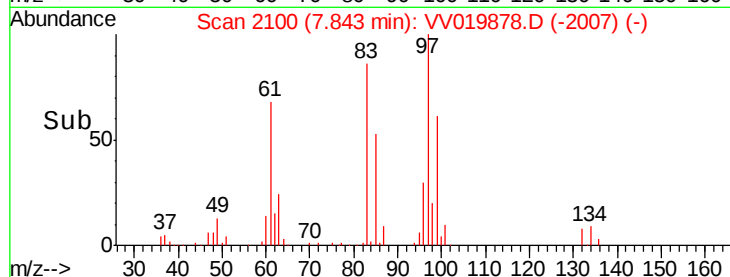
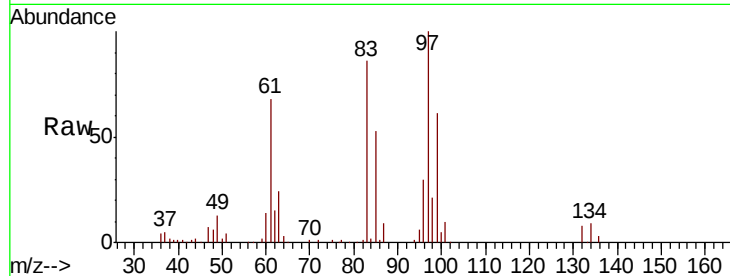




#45
1,1,2-Trichloroethane
Concen: 4.567 ug/L
RT: 7.84 min Scan# 2100
Delta R.T. -0.00 min
Lab File: VV019878.D
Acq: 31 Dec 2020 13:37

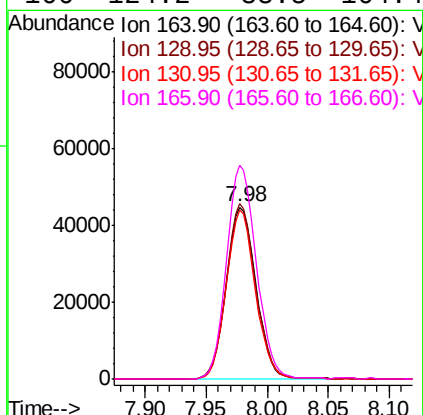
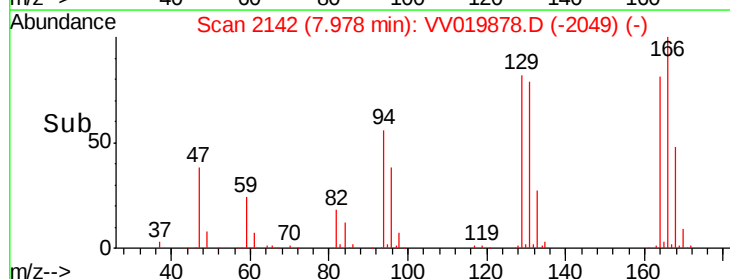
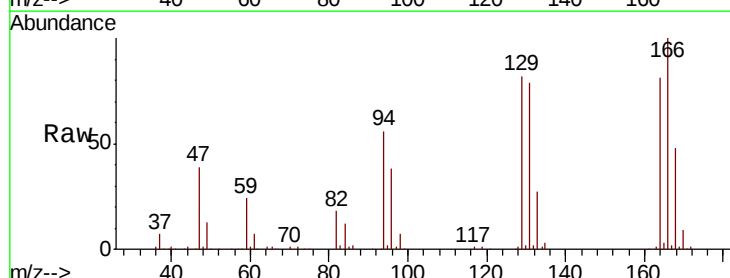
Instrument :
MSVOA_V
ClientSampleId :
BFB351

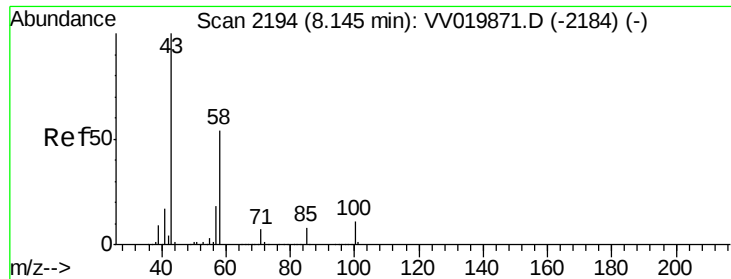
Tot Ion:	97	Resp:	65919
Ion	Ratio	Lower	Upper
97	100		
99	61.1	42.4	78.8
83	85.9	59.4	110.4
85	53.2	39.5	73.3



#47
Tetrachloroethene
Concen: 4.737 ug/L
RT: 7.98 min Scan# 2142
Delta R.T. -0.00 min
Lab File: VV019878.D
Acq: 31 Dec 2020 13:37

Tgt Ion:	164	Resp:	76516
Ion	Ratio	Lower	Upper
164	100		
129	101.7	72.1	133.9
131	98.1	68.9	127.9
166	124.2	88.5	164.4

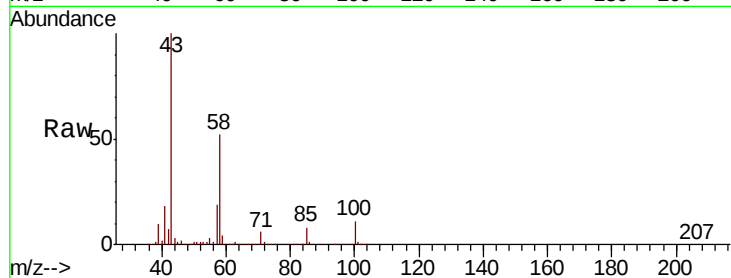




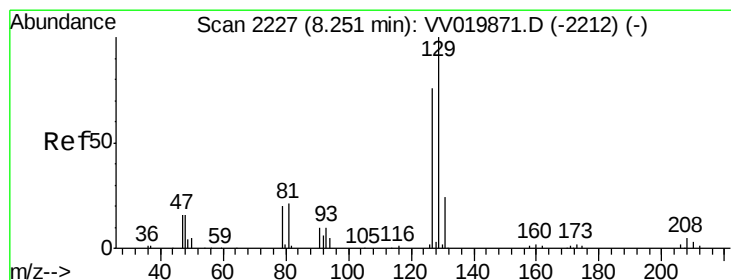
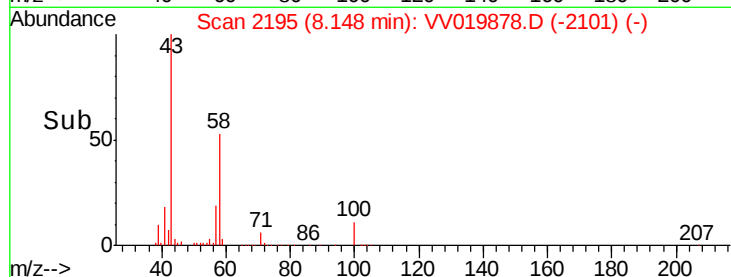
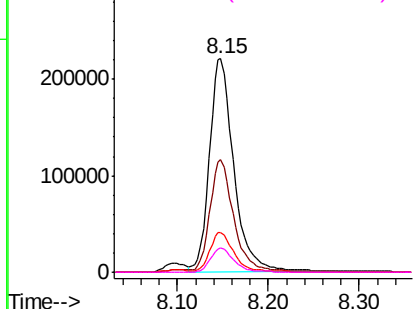
#48
2-Hexanone
Concen: 47.020 ug/L
RT: 8.15 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VV019878.D
Acq: 31 Dec 2020 13:37

Instrument :
MSVOA_V
ClientSampleId :
BFB351

Tot Ion: 43 Resp: 410789
Ion Ratio Lower Upper
43 100
58 52.0 42.4 63.6
57 18.1 14.8 22.2
100 11.1 9.1 13.7

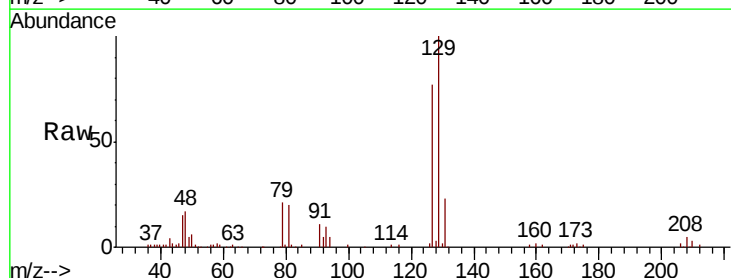


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

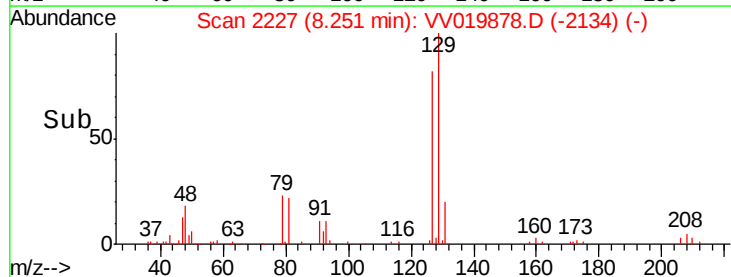
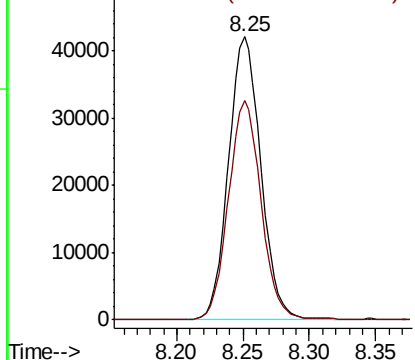


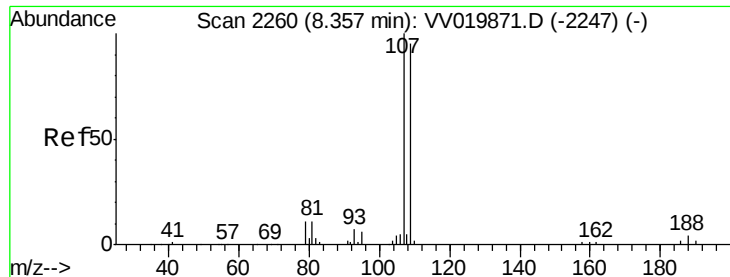
#49
Dibromochloromethane
Concen: 4.575 ug/L
RT: 8.25 min Scan# 2227
Delta R.T. -0.00 min
Lab File: VV019878.D
Acq: 31 Dec 2020 13:37

Tgt Ion: 129 Resp: 71437
Ion Ratio Lower Upper
129 100
127 77.3 55.0 102.2



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

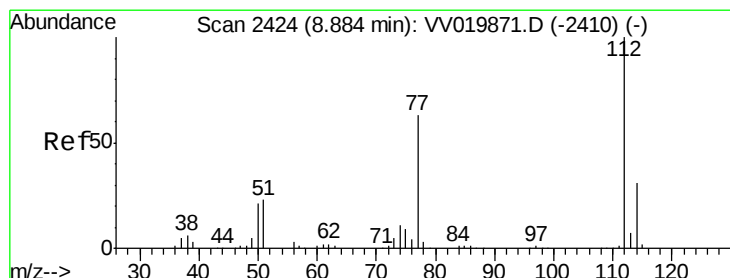
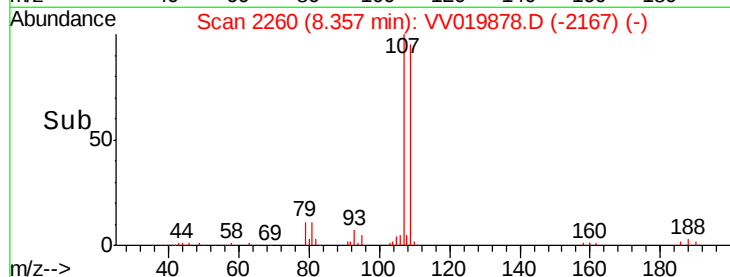
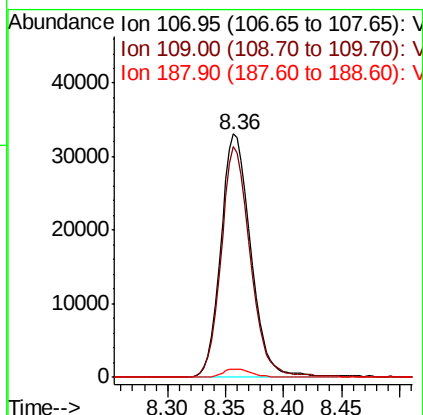
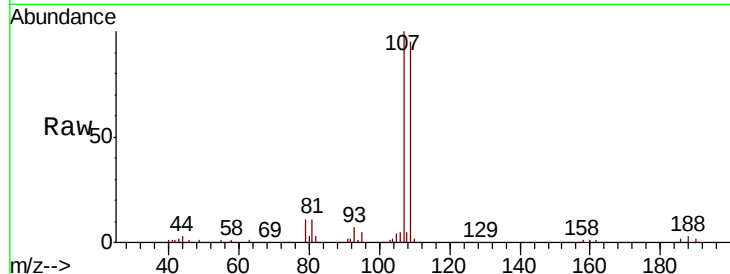




#50
 1,2-Dibromoethane
 Concen: 4.545 ug/L
 RT: 8.36 min Scan# 2260
 Delta R.T. -0.00 min
 Lab File: VV019878.D
 Acq: 31 Dec 2020 13:37

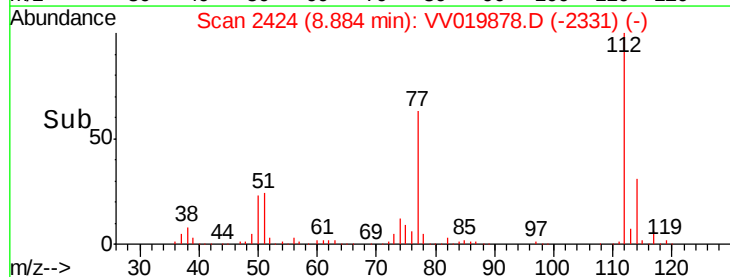
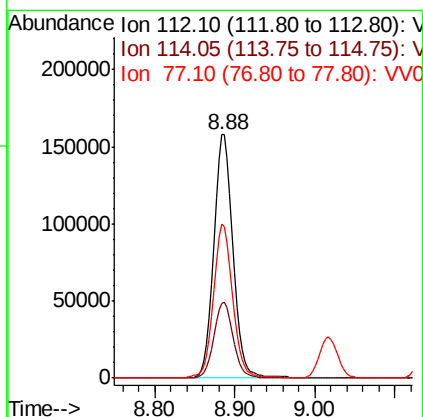
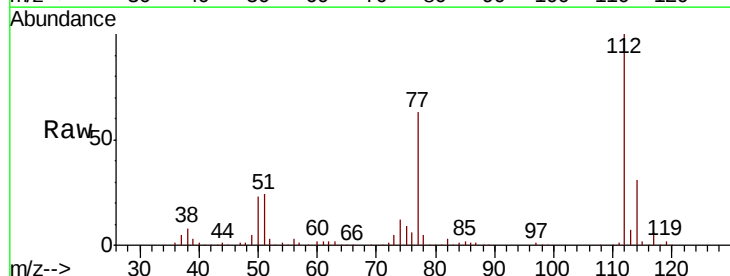
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB351

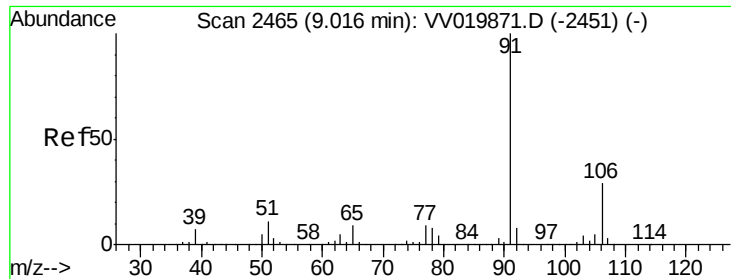
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	63.8	118.4
188	3.3	2.5	3.7



#51
 Chlorobenzene
 Concen: 4.629 ug/L
 RT: 8.88 min Scan# 2424
 Delta R.T. -0.00 min
 Lab File: VV019878.D
 Acq: 31 Dec 2020 13:37

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.9	21.8	40.6
77	63.0	51.0	76.4





#52

Ethylbenzene

Concen: 4.744 ug/L

RT: 9.02 min Scan# 2465

Delta R.T. -0.00 min

Lab File: VV019878.D

Acq: 31 Dec 2020 13:37

Instrument :

MSVOA_V

ClientSampleId :

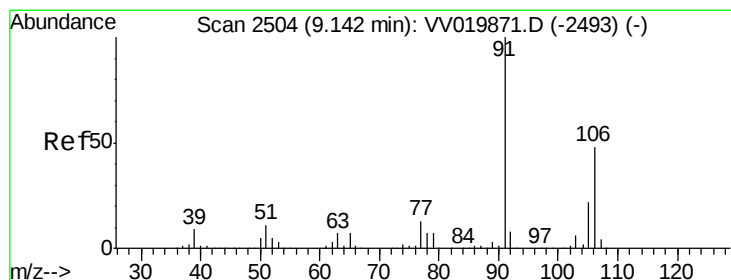
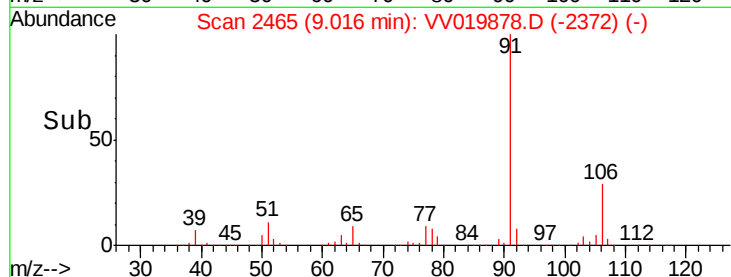
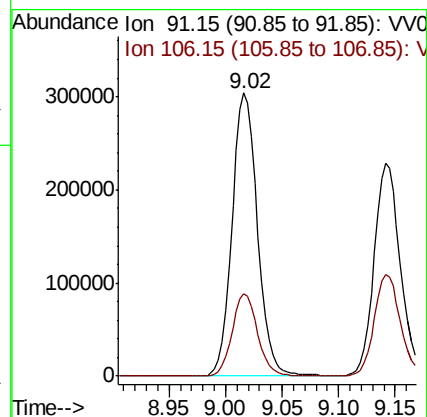
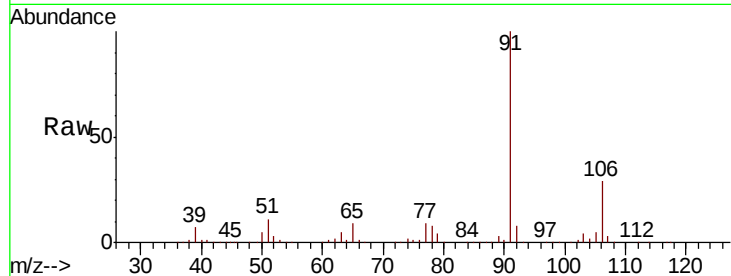
BFB351

Tot Ion: 91 Resp: 475173

Ion Ratio Lower Upper

91 100

106 29.0 20.9 38.7



#53

m,p-xylene

Concen: 4.801 ug/L

RT: 9.14 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VV019878.D

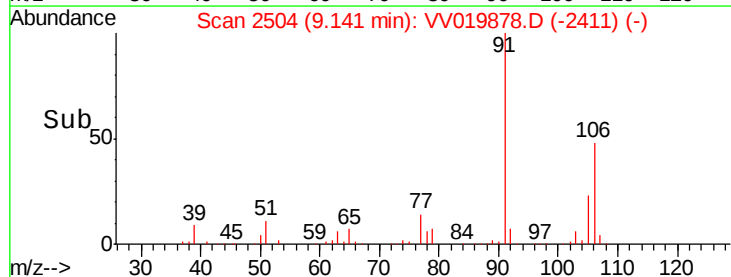
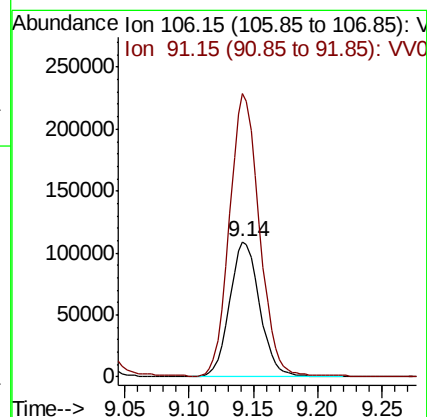
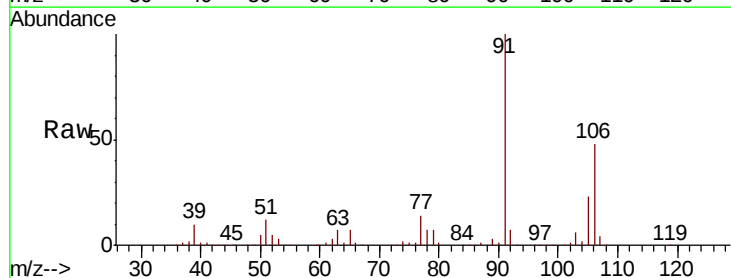
Acq: 31 Dec 2020 13:37

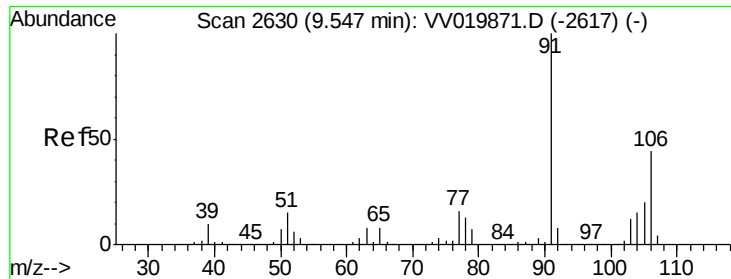
Tgt Ion: 106 Resp: 175769

Ion Ratio Lower Upper

106 100

91 209.2 147.1 273.1





#54

o-xylene

Concen: 4.705 ug/L

RT: 9.55 min Scan# 2630

Delta R.T. -0.00 min

Lab File: VV019878.D

Acq: 31 Dec 2020 13:37

Instrument :

MSVOA_V

ClientSampled :

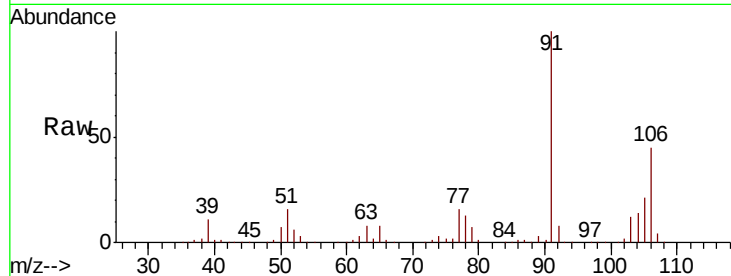
BFB351

Tot Ion:106 Resp: 165130

Ion Ratio Lower Upper

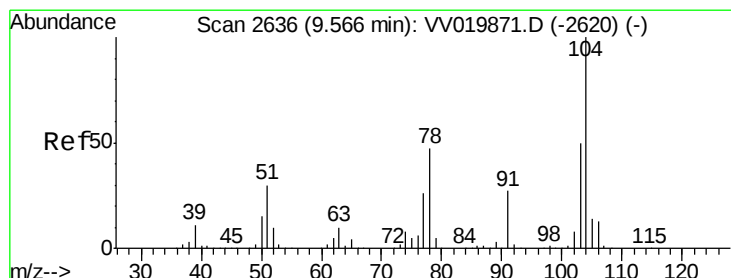
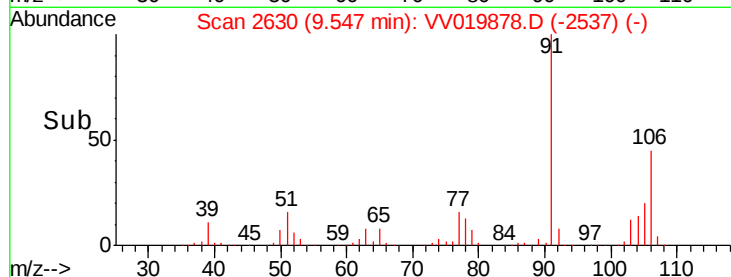
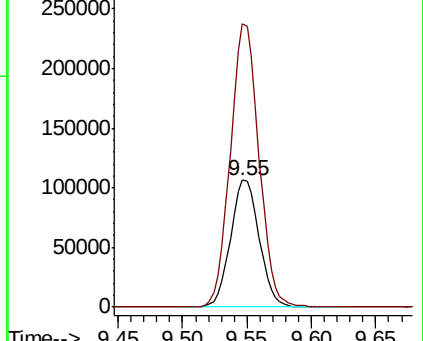
106 100

91 222.6 155.8 289.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 4.746 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. -0.00 min

Lab File: VV019878.D

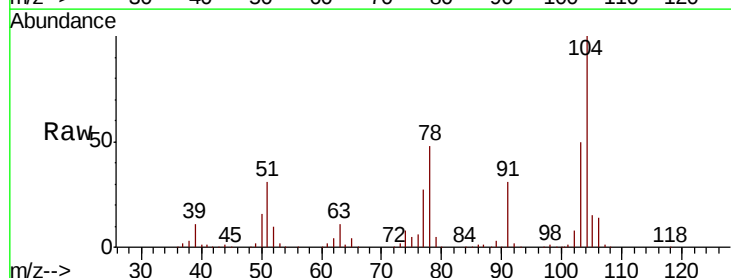
Acq: 31 Dec 2020 13:37

Tgt Ion:104 Resp: 281487

Ion Ratio Lower Upper

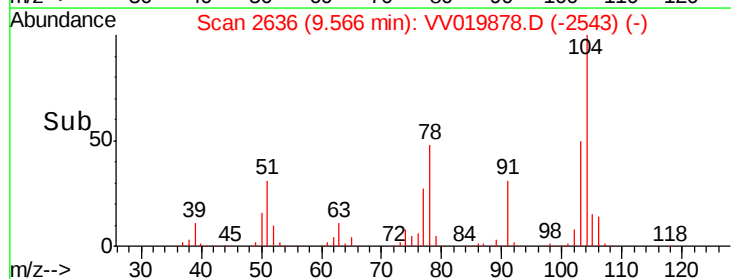
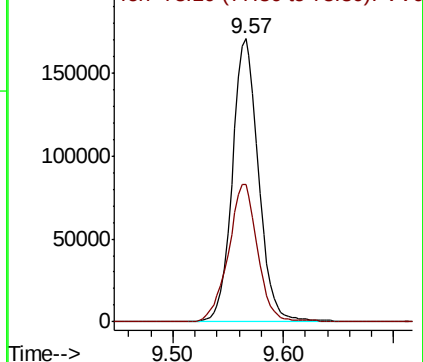
104 100

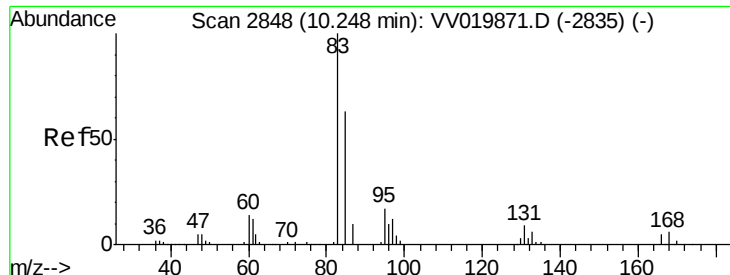
78 48.4 33.7 62.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

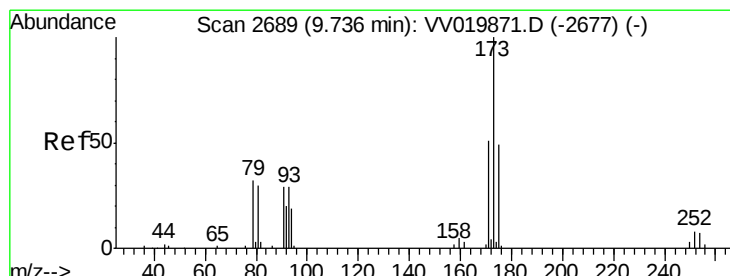
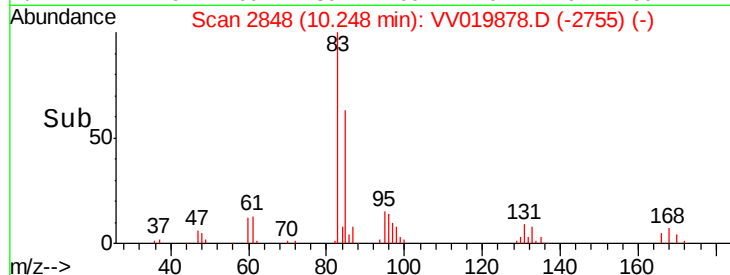
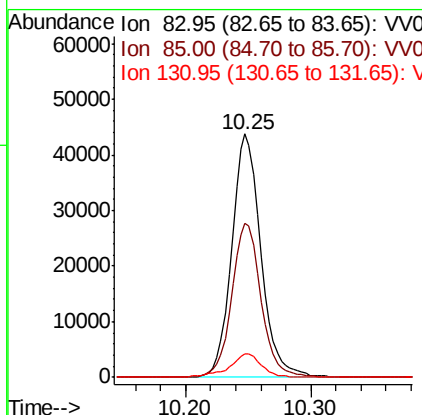
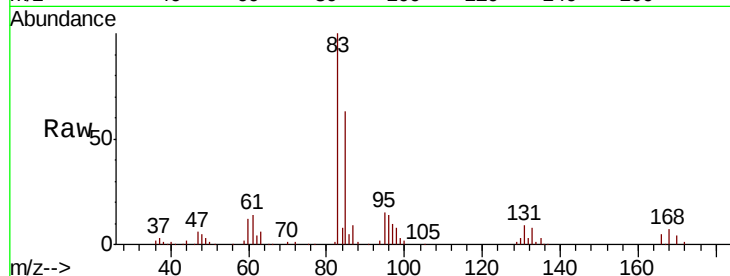




#57
 1,1,2,2-Tetrachloroethane
 Concen: 4.623 ug/L
 RT: 10.25 min Scan# 2848
 Delta R.T. -0.00 min
 Lab File: VV019878.D
 Acq: 31 Dec 2020 13:37

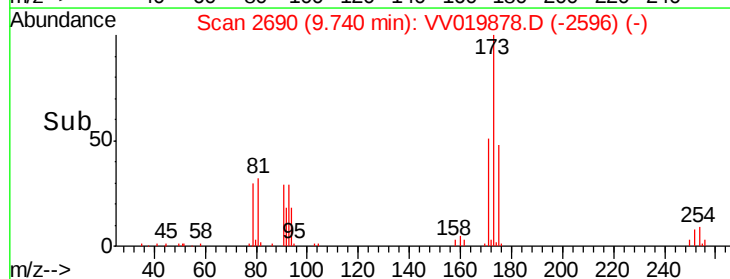
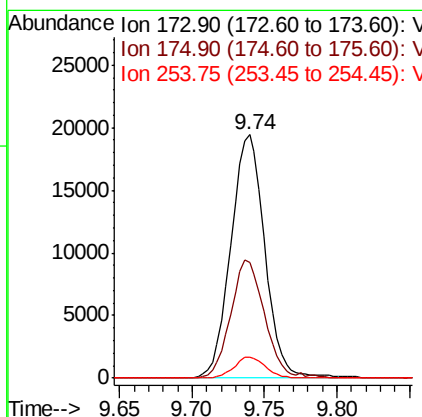
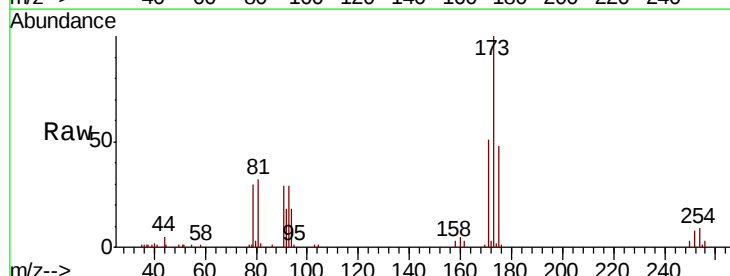
Instrument :
 MSVOA_V
 ClientSampled :
 BFB351

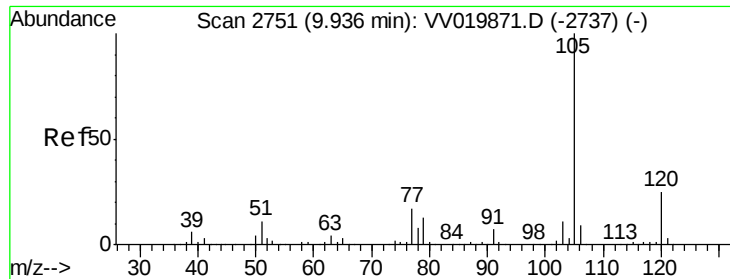
Tot Ion	83	Resp	70627
Ion Ratio	Lower	Upper	
83	100		
85	63.2	44.3	82.3
131	9.4	7.4	11.2



#59
 Bromoform
 Concen: 4.371 ug/L
 RT: 9.74 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VV019878.D
 Acq: 31 Dec 2020 13:37

Tgt Ion	173	Resp	31640
Ion Ratio	Lower	Upper	
173	100		
175	48.5	38.3	57.5
254	7.9	6.4	9.6





#60

Isopropylbenzene

Concen: 4.741 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VV019878.D

Acq: 31 Dec 2020 13:37

Instrument :

MSVOA_V

ClientSampleId :

BFB351

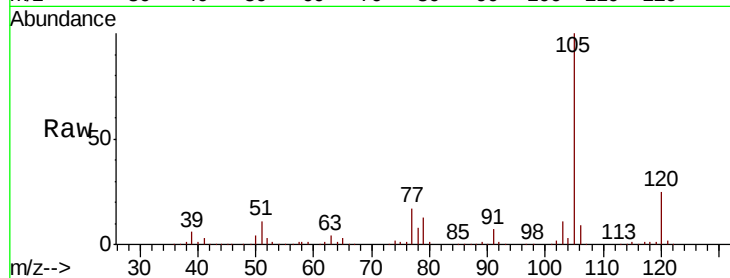
Tot Ion: 105 Resp: 460455

Ion Ratio Lower Upper

105 100

120 25.4 20.4 30.6

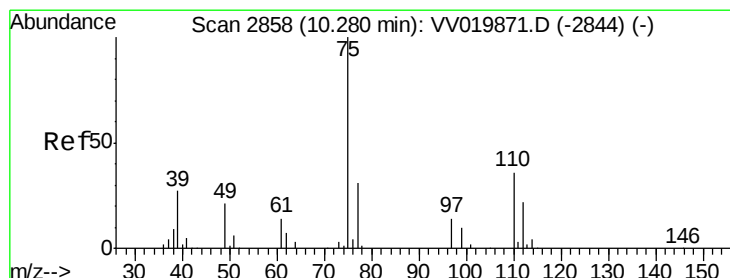
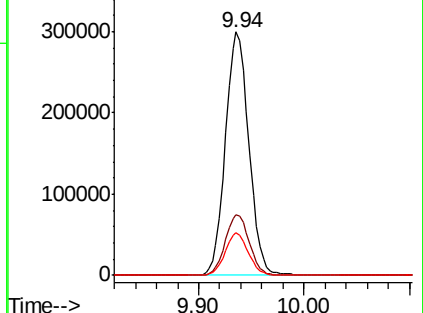
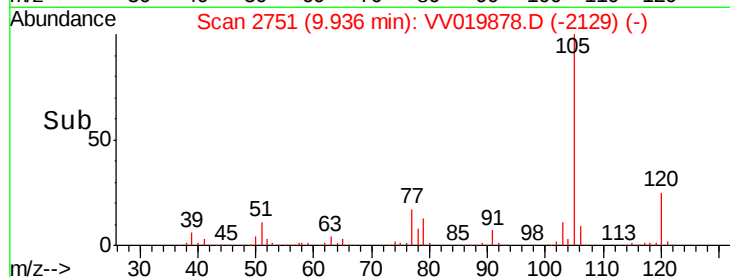
77 17.3 13.7 20.5



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



#61

1,2,3-Trichloropropane

Concen: 4.484 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV019878.D

Acq: 31 Dec 2020 13:37

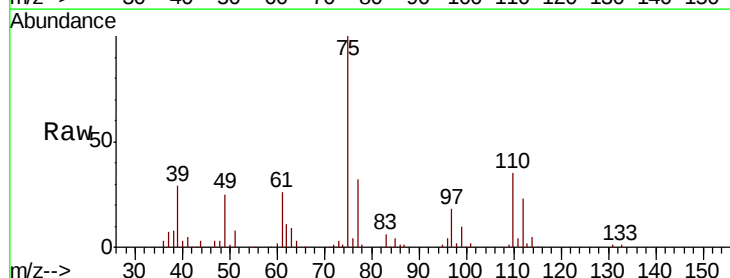
Tgt Ion: 75 Resp: 57845

Ion Ratio Lower Upper

75 100

77 32.2 25.6 38.4

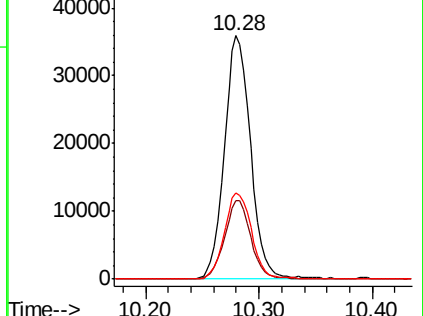
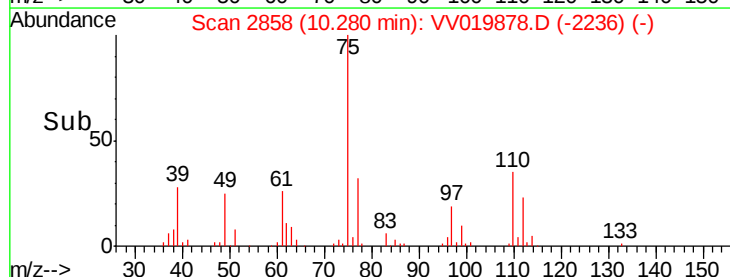
110 36.6 30.5 45.7

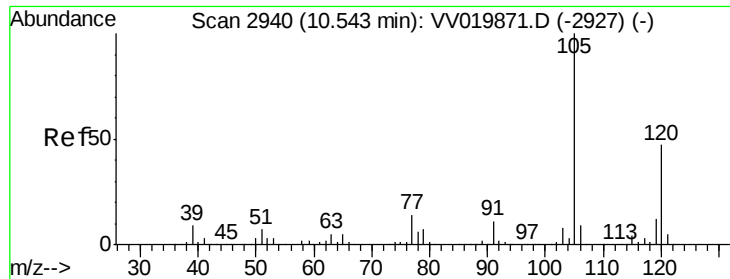


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V

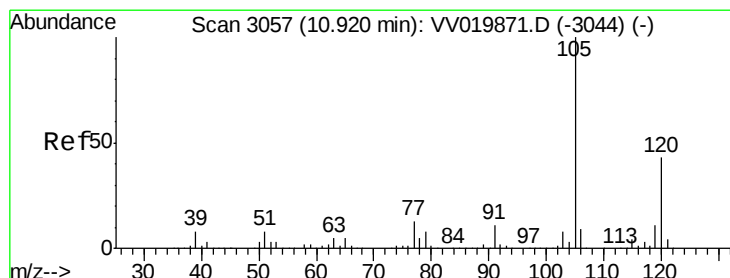
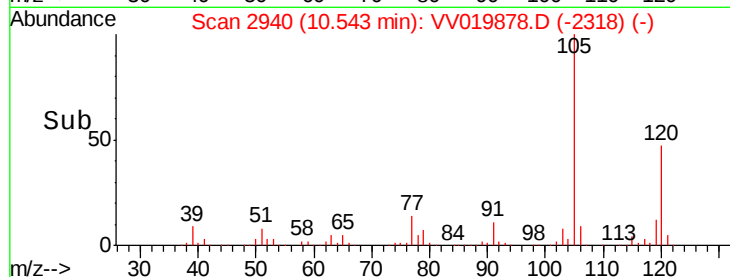
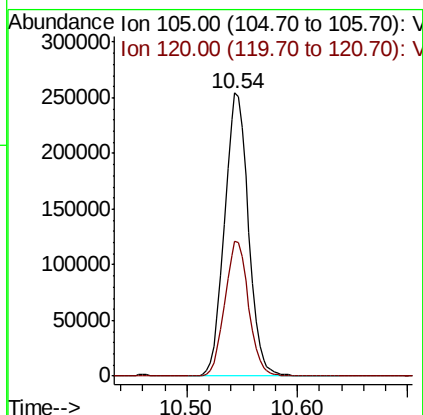
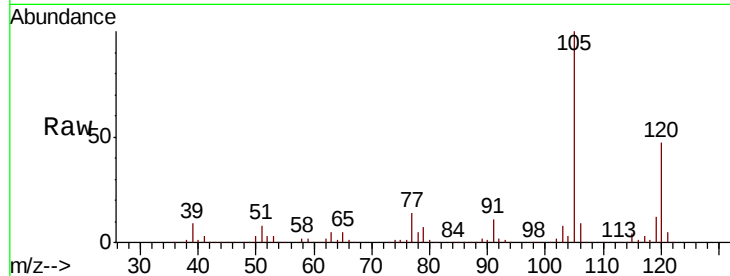




#62
 1,3,5-Trimethylbenzene
 Concen: 4.755 ug/L
 RT: 10.54 min Scan# 2940
 Delta R.T. -0.00 min
 Lab File: VV019878.D
 Acq: 31 Dec 2020 13:37

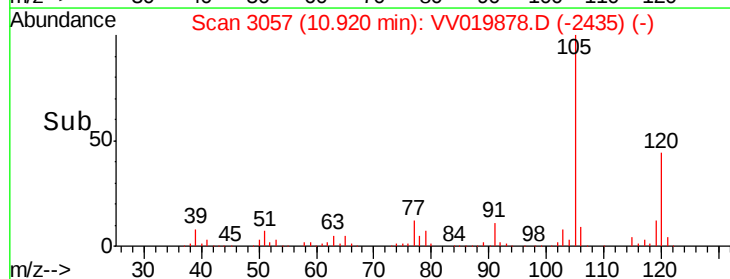
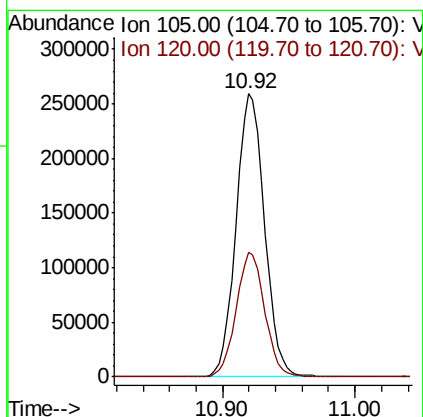
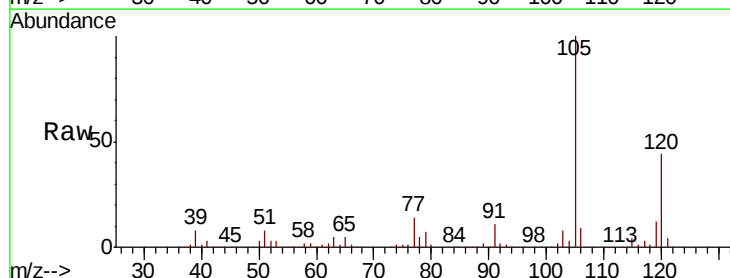
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB351

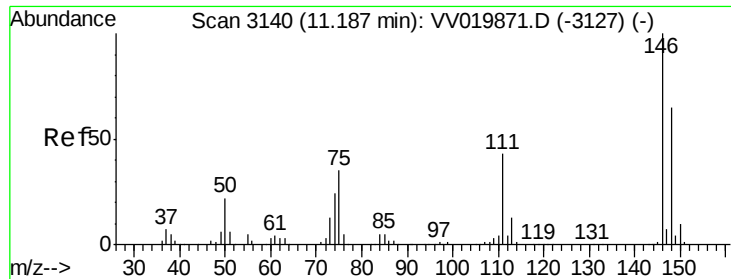
Tot Ion:105 Resp: 381807
 Ion Ratio Lower Upper
 105 100
 120 47.6 37.8 56.6



#63
 1,2,4-Trimethylbenzene
 Concen: 4.721 ug/L
 RT: 10.92 min Scan# 3057
 Delta R.T. -0.00 min
 Lab File: VV019878.D
 Acq: 31 Dec 2020 13:37

Tgt Ion:105 Resp: 386165
 Ion Ratio Lower Upper
 105 100
 120 44.0 34.9 52.3

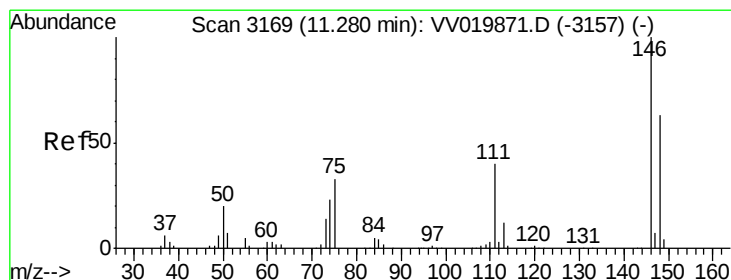
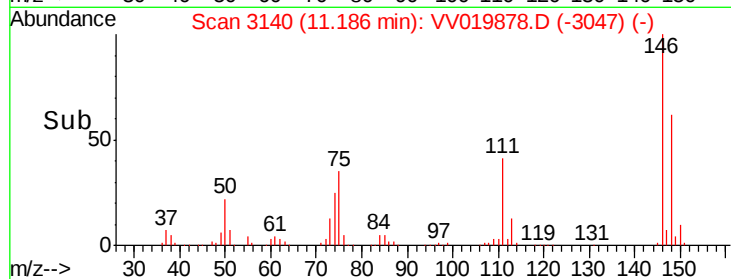
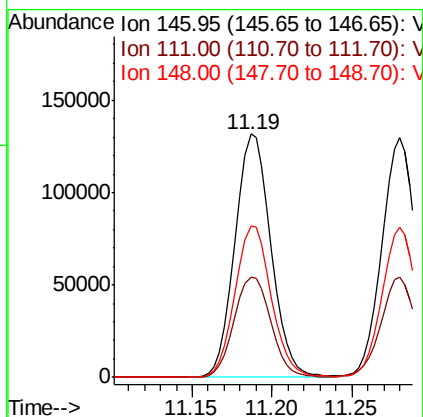
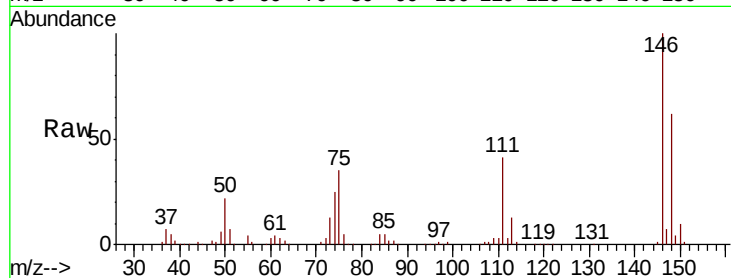




#64
 1,3-Dichlorobenzene
 Concen: 4.725 ug/L
 RT: 11.19 min Scan# 3140
 Delta R.T. -0.00 min
 Lab File: VV019878.D
 Acq: 31 Dec 2020 13:37

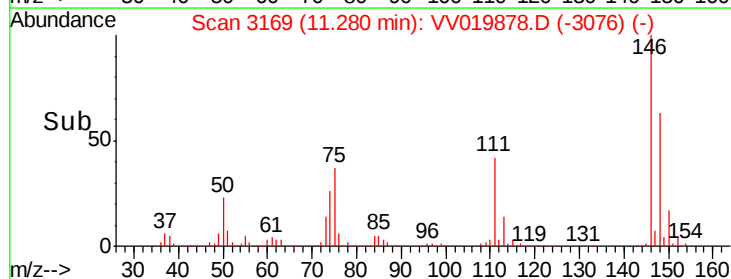
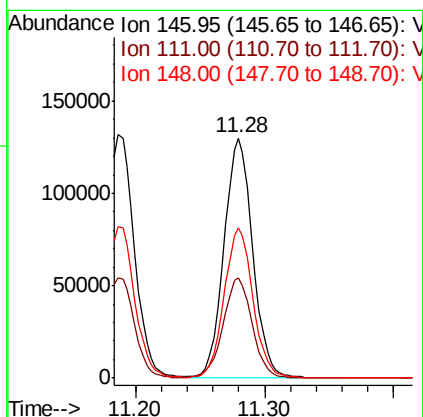
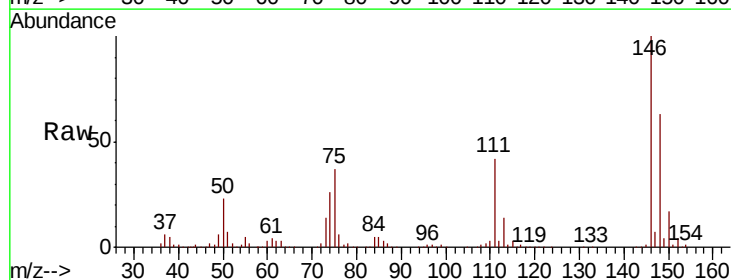
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB351

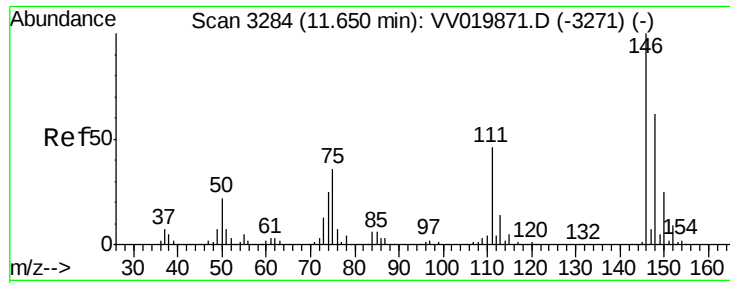
Tot Ion:146 Resp: 201502
 Ion Ratio Lower Upper
 146 100
 111 41.4 30.4 56.5
 148 62.4 45.8 85.2



#65
 1,4-Dichlorobenzene
 Concen: 4.655 ug/L
 RT: 11.28 min Scan# 3169
 Delta R.T. -0.00 min
 Lab File: VV019878.D
 Acq: 31 Dec 2020 13:37

Tgt Ion:146 Resp: 199178
 Ion Ratio Lower Upper
 146 100
 111 41.8 29.7 55.1
 148 62.8 45.1 83.7

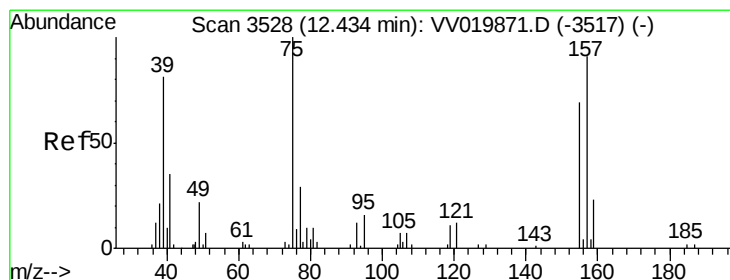
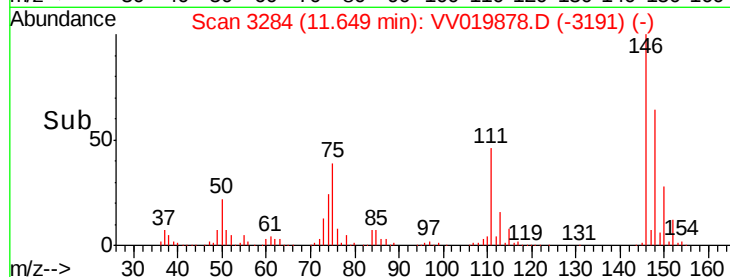
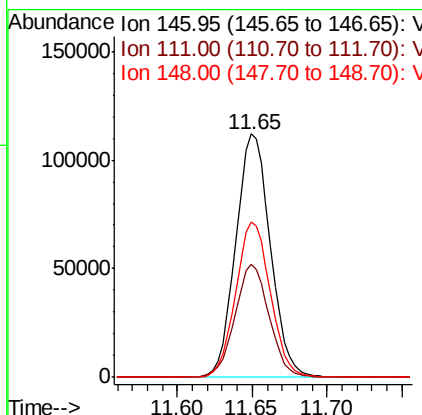
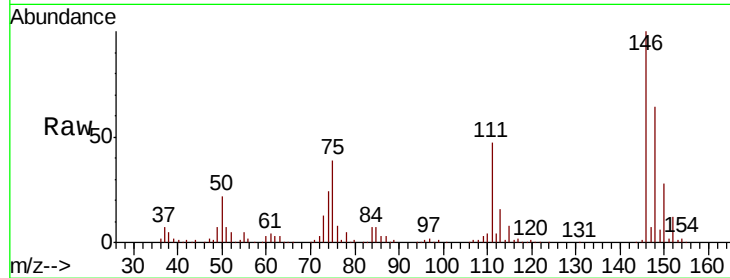




#67
 1,2-Dichlorobenzene
 Concen: 4.598 ug/L
 RT: 11.65 min Scan# 3284
 Delta R.T. -0.00 min
 Lab File: VV019878.D
 Acq: 31 Dec 2020 13:37

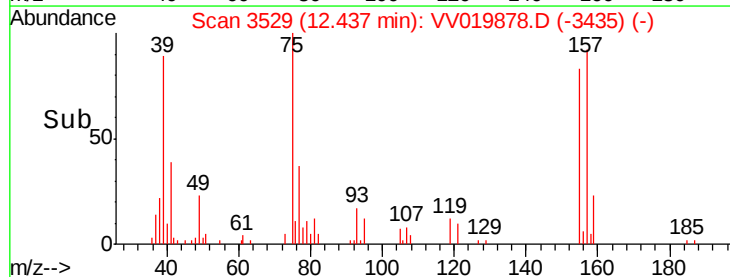
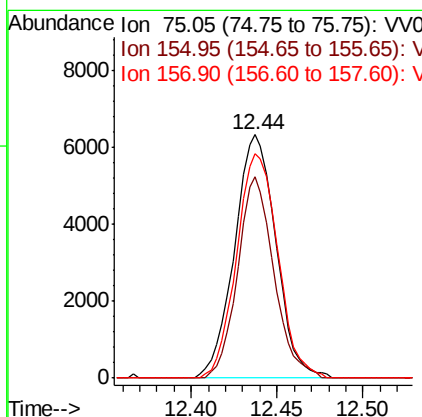
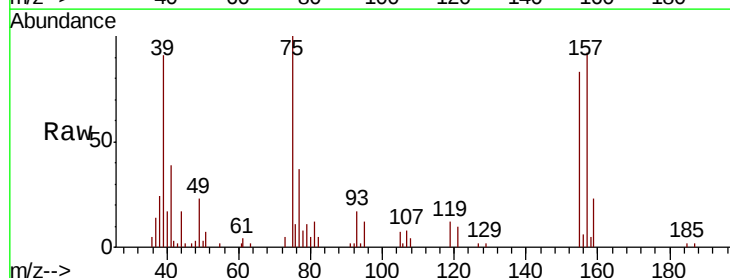
Instrument :
 MSVOA_V
 ClientSampled :
 BFB351

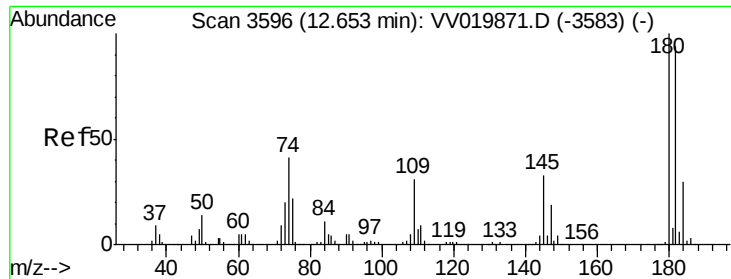
Tot Ion:146 Resp: 180350
 Ion Ratio Lower Upper
 146 100
 111 46.5 37.7 56.5
 148 63.9 50.6 75.8



#68
 1,2-Dibromo-3-chloropropane
 Concen: 3.986 ug/L
 RT: 12.44 min Scan# 3529
 Delta R.T. 0.00 min
 Lab File: VV019878.D
 Acq: 31 Dec 2020 13:37

Tgt Ion: 75 Resp: 10603
 Ion Ratio Lower Upper
 75 100
 155 82.7 56.5 84.7
 157 92.1 74.2 111.2

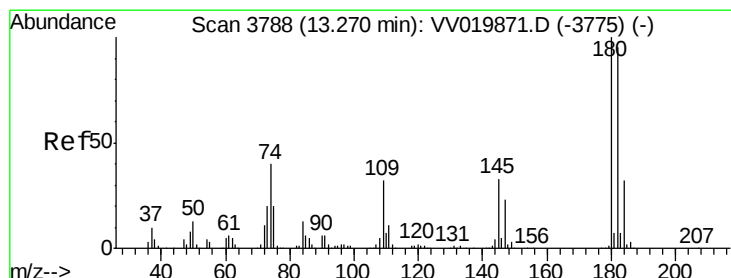
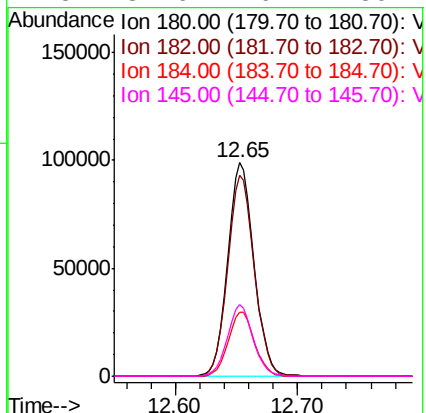
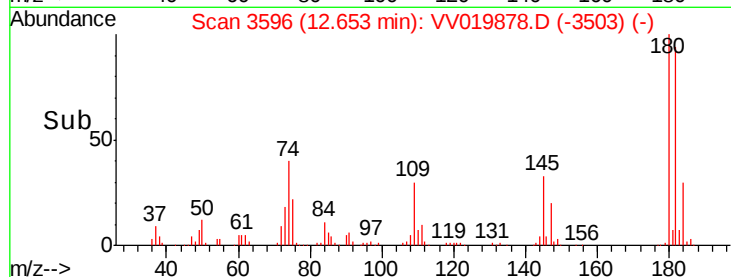
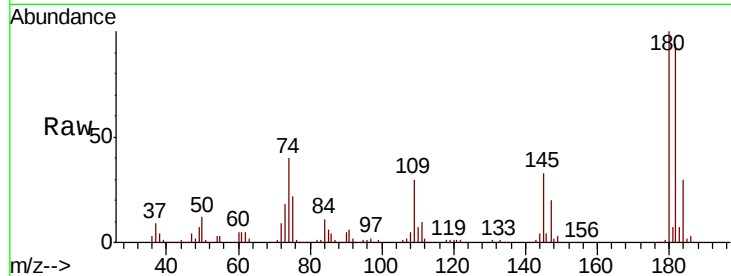




#69
 1,3,5-Trichlorobenzene
 Concen: 4.717 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VV019878.D
 Acq: 31 Dec 2020 13:37

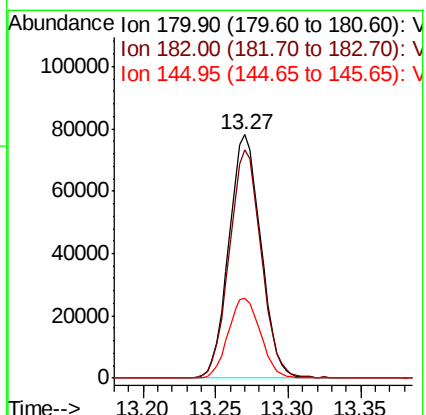
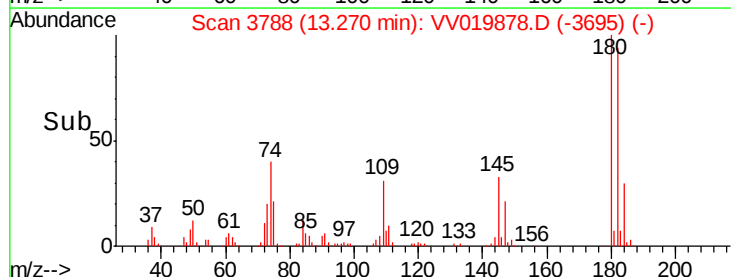
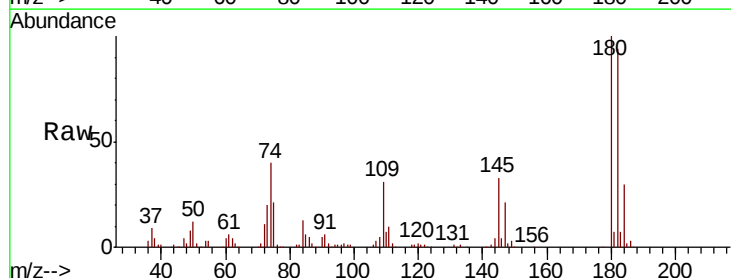
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB351

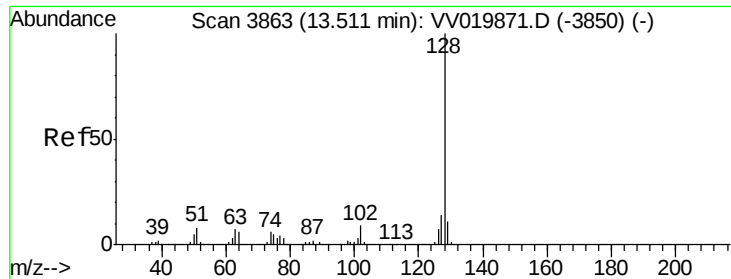
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.9	113.9
184	29.9	23.5	35.3
145	32.6	26.2	39.2



#70
 1,2,4-trichlorobenzene
 Concen: 4.646 ug/L
 RT: 13.27 min Scan# 3788
 Delta R.T. -0.00 min
 Lab File: VV019878.D
 Acq: 31 Dec 2020 13:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	75.9	113.9
145	33.1	26.6	39.8

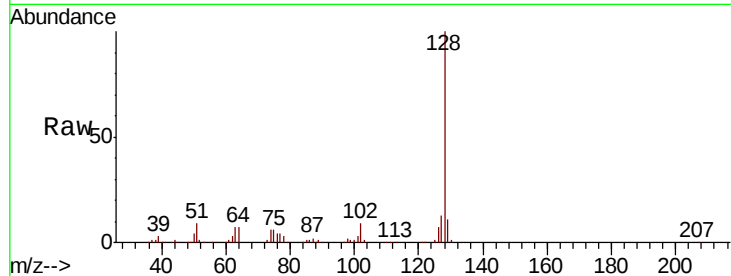




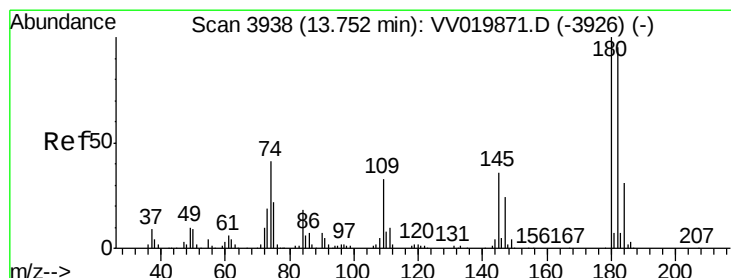
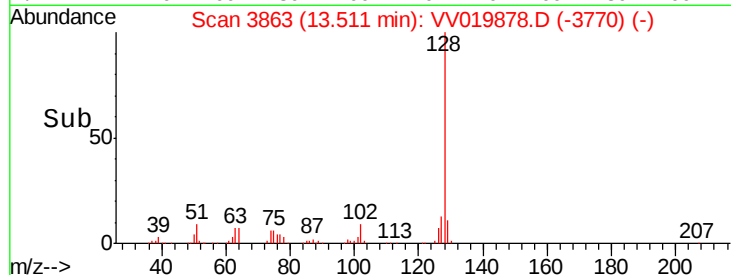
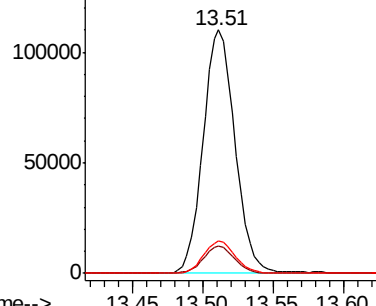
#71
Naphthalene
Concen: 4.490 ug/L
RT: 13.51 min Scan# 3863
Delta R.T. -0.00 min
Lab File: VV019878.D
Acq: 31 Dec 2020 13:37

Instrument :
MSVOA_V
ClientSampled :
BFB351

Tot Ion:128 Resp: 174591
Ion Ratio Lower Upper
128 100
129 11.0 8.5 12.7
127 13.2 10.2 15.4

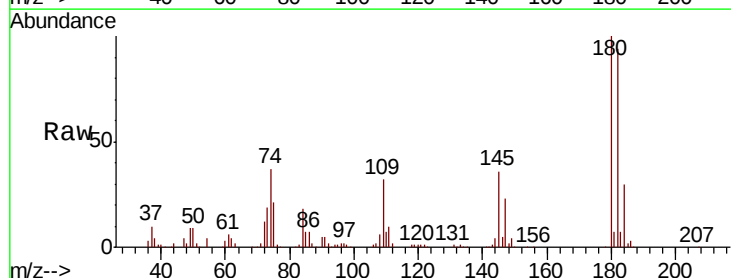


Abundance Ion 128.00 (127.70 to 128.70): V
150000 Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#72
1,2,3-Trichlorobenzene
Concen: 4.675 ug/L
RT: 13.75 min Scan# 3938
Delta R.T. -0.00 min
Lab File: VV019878.D
Acq: 31 Dec 2020 13:37

Tgt Ion:180 Resp: 102277
Ion Ratio Lower Upper
180 100
182 94.5 74.6 112.0
145 35.5 28.8 43.2



Abundance Ion 179.90 (179.60 to 180.60): V
80000 Ion 181.90 (181.60 to 182.60): V
Ion 144.95 (144.65 to 145.65): V

