

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121820\
 Data File : VV019724.D
 Acq On : 19 Dec 2020 03:18
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB69

Quant Time: Dec 19 07:02:26 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	570990	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	545553	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	274809	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	182797	44.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.30%
7) Chloroethane-d5	1.57	69	151363	46.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.74%
11) 1,1-Dichloroethene-d2	2.11	63	359215	47.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.54%
21) 2-Butanone-d5	3.89	46	306398	137.68	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	137.68%#
24) Chloroform-d	4.35	84	370450	50.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.40%
26) 1,2-Dichloroethane-d4	5.04	65	243984	50.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.18%
32) Benzene-d6	5.05	84	696469	47.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.74%
36) 1,2-Dichloropropane-d6	6.07	67	228489	50.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.26%
41) Toluene-d8	7.32	98	617359	47.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.26%
43) trans-1,3-Dichloropropene-	7.62	79	110757	42.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.44%
47) 2-Hexanone-d5	8.09	63	219486	122.70	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	122.70%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	308852	50.10	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.20%
64) 1,2-Dichlorobenzene-d4	11.63	152	236669	46.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.14%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	215973	46.869	ug/L 100
3) Chloromethane	1.24	50	239852	48.969	ug/L 100
5) Vinyl chloride	1.31	62	241777	49.212	ug/L 100
6) Bromomethane	1.52	94	144914	49.116	ug/L 98
8) Chloroethane	1.59	64	148958	50.266	ug/L 99
9) Trichlorofluoromethane	1.76	101	300842	50.120	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	170057	51.301	ug/L 98
12) 1,1-Dichloroethene	2.12	96	168611	49.568	ug/L # 84
13) Acetone	2.19	43	205845	108.573	ug/L 100
14) Carbon disulfide	2.30	76	506320	45.300	ug/L 100
15) Methyl Acetate	2.44	43	225169	54.512	ug/L 100
16) Methylene chloride	2.51	84	202797	50.848	ug/L 98
17) trans-1,2-Dichloroethene	2.76	96	184134	49.387	ug/L 100
18) Methyl tert-butyl Ether	2.77	73	641550	49.243	ug/L 99
19) 1,1-Dichloroethane	3.19	63	377842	52.272	ug/L 98
20) cis-1,2-Dichloroethene	3.92	96	204048	49.784	ug/L # 98
22) 2-Butanone	3.98	43	315468	113.436	ug/L 96

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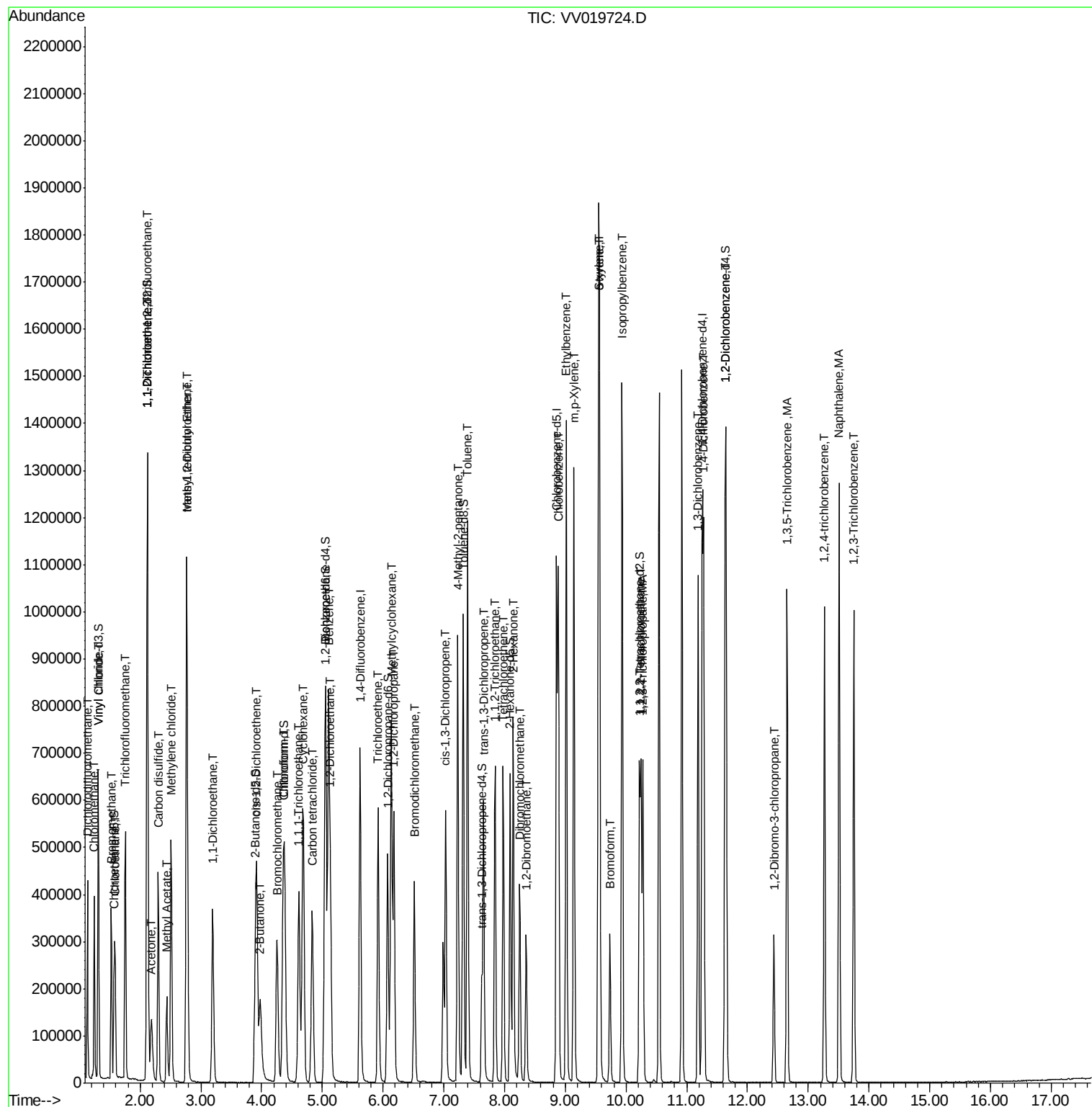
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.25	128	101341	50.252	uq/L	96
25) Chloroform	4.38	83	371069	51.401	uq/L	99
27) 1,2-Dichloroethane	5.14	62	304256	50.873	uq/L	100
29) Cyclohexane	4.68	56	325748	48.718	uq/L	99
30) 1,1,1-Trichloroethane	4.61	97	324422	47.426	uq/L	99
31) Carbon tetrachloride	4.83	117	267105	46.255	uq/L	99
33) Benzene	5.10	78	795047	49.864	uq/L	100
34) Trichloroethene	5.92	95	205251	48.732	uq/L	98
35) Methylcyclohexane	6.14	83	313075	48.929	uq/L	99
37) 1,2-Dichloropropane	6.18	63	216924	52.098	uq/L	99
38) Bromodichloromethane	6.51	83	278930	47.906	uq/L	100
39) cis-1,3-Dichloropropene	7.03	75	324931	46.986	uq/L	99
40) 4-Methyl-2-pentanone	7.23	43	624408	103.943	uq/L	99
42) Toluene	7.39	91	824669	49.074	uq/L	100
44) trans-1,3-Dichloropropene	7.65	75	319824	45.674	uq/L	98
45) 1,1,2-Trichloroethane	7.84	97	196990	49.820	uq/L	100
46) Tetrachloroethene	7.98	164	137905	47.318	uq/L	98
48) 2-Hexanone	8.14	43	481539	105.644	uq/L	98
49) Dibromochloromethane	8.25	129	203945	47.098	uq/L	99
50) 1,2-Dibromoethane	8.36	107	202845	48.716	uq/L	100
51) Chlorobenzene	8.88	112	522859	48.716	uq/L	100
52) Ethylbenzene	9.02	91	942183	49.210	uq/L	99
53) m,p-Xylene	9.14	106	340850	47.652	uq/L	100
54) o-xylene	9.55	106	337855	48.189	uq/L	100
55) Styrene	9.56	104	591108	48.374	uq/L	100
56) Isopropylbenzene	9.94	105	918723	49.187	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.25	83	314414	49.446	uq/L	99
59) 1,2,3-Trichloropropane	10.28	75	266520	51.461	uq/L	100
61) Bromoform	9.74	173	129143	42.471	uq/L	99
62) 1,3-Dichlorobenzene	11.19	146	395148	46.866	uq/L	99
63) 1,4-Dichlorobenzene	11.28	146	398023	46.619	uq/L	99
65) 1,2-Dichlorobenzene	11.65	146	400614	48.085	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.43	75	78011	44.857	uq/L	92
67) 1,3,5-Trichlorobenzene	12.65	180	279592	46.935	uq/L	99
68) 1,2,4-trichlorobenzene	13.27	180	259950	46.671	uq/L	99
69) Naphthalene	13.51	128	907937	46.946	uq/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	262391	48.206	uq/L	99

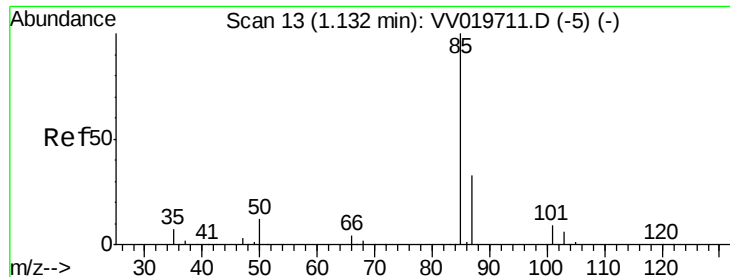
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 46.869 ug/L

RT: 1.13 min Scan# 13

Delta R.T. -0.00 min

Lab File: VV019724.D

Acq: 19 Dec 2020 03:18

Instrument :

MSVOA_V

ClientSampleId :

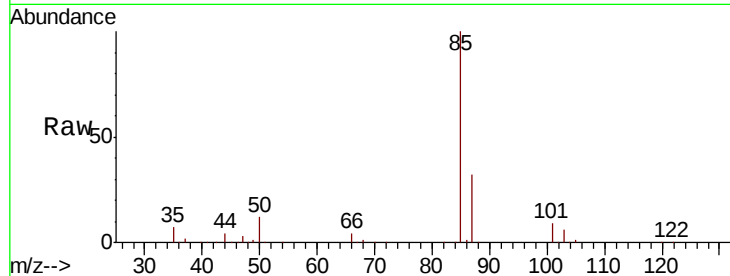
BFB69

Tot Ion: 85 Resp: 215973

Ion Ratio Lower Upper

85 100

87 32.3 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV019711.D (-5) (-)

Ion 87.00 (86.70 to 87.70): VV019711.D (-5) (-)

1.13

250000

200000

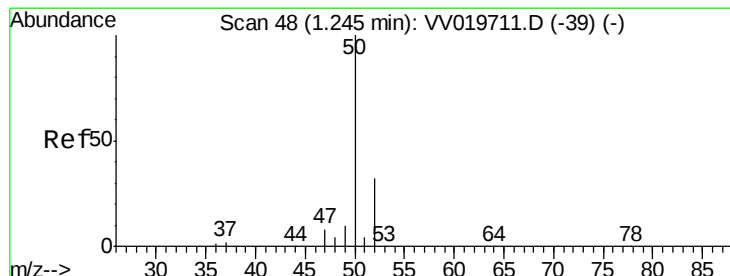
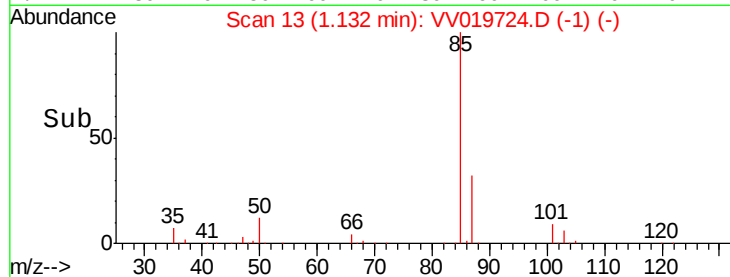
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 48.969 ug/L

RT: 1.24 min Scan# 48

Delta R.T. -0.00 min

Lab File: VV019724.D

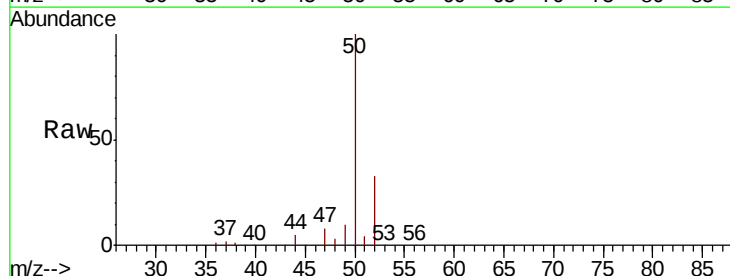
Acq: 19 Dec 2020 03:18

Tgt Ion: 50 Resp: 239852

Ion Ratio Lower Upper

50 100

52 33.3 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VV019711.D (-39) (-)

Ion 52.00 (51.70 to 52.70): VV019711.D (-39) (-)

1.24

250000

200000

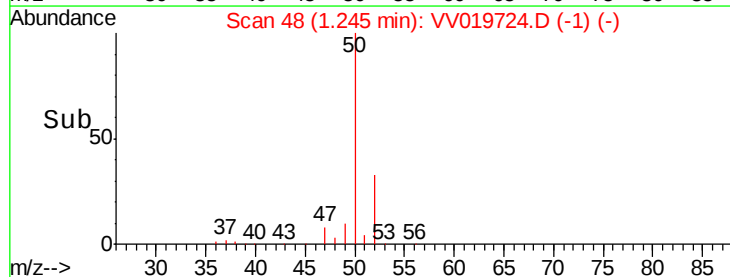
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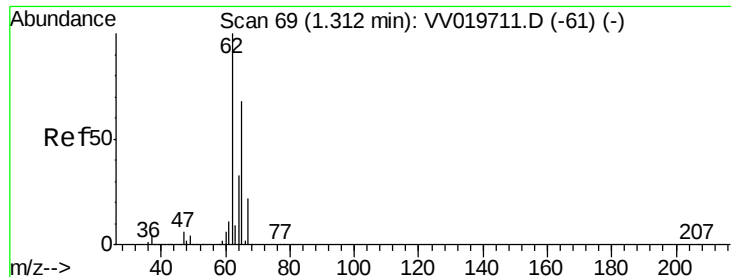
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 49.212 ug/L

RT: 1.31 min Scan# 69

Delta R.T. -0.00 min

Lab File: VV019724.D

Acq: 19 Dec 2020 03:18

Instrument :

MSVOA_V

ClientSampled :

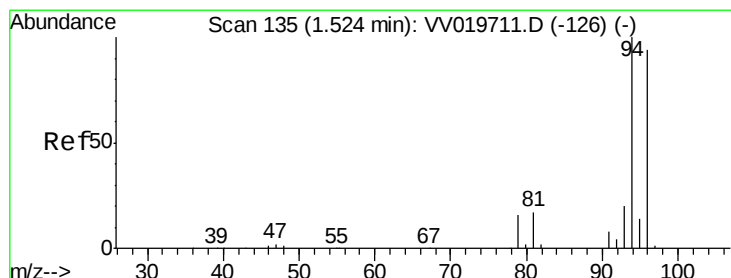
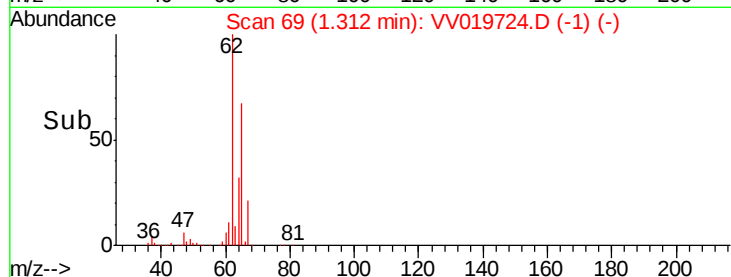
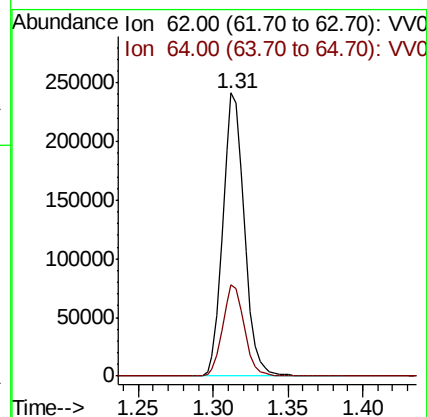
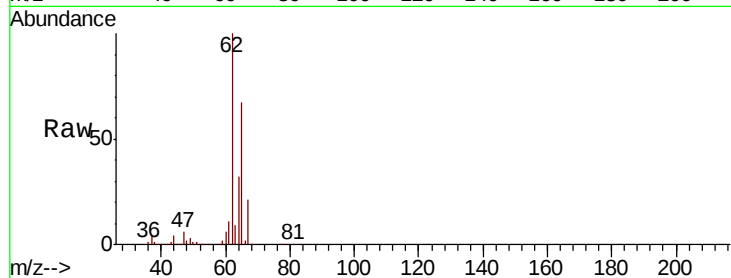
BFB69

Tot Ion: 62 Resp: 241777

Ion Ratio Lower Upper

62 100

64 32.3 22.5 41.7



#6

Bromomethane

Concen: 49.116 ug/L

RT: 1.52 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV019724.D

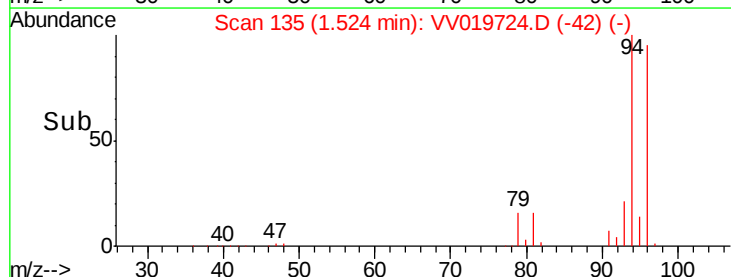
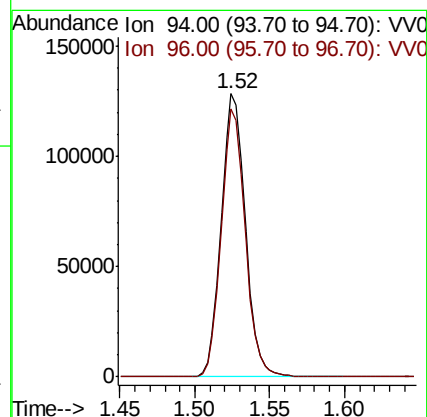
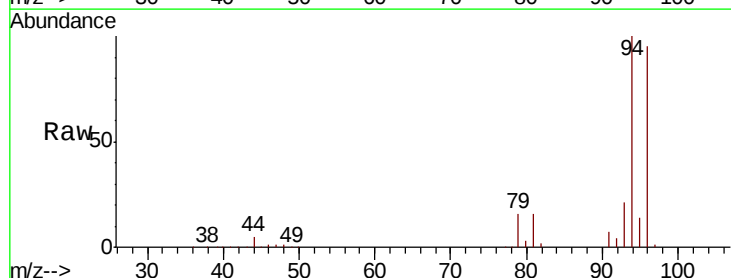
Acq: 19 Dec 2020 03:18

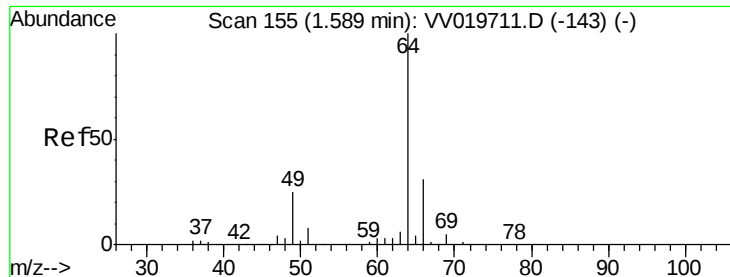
Tgt Ion: 94 Resp: 144914

Ion Ratio Lower Upper

94 100

96 94.7 65.2 121.2





#8

Chloroethane

Concen: 50.266 ug/L

RT: 1.59 min Scan# 155

Delta R.T. -0.00 min

Lab File: VV019724.D

Acq: 19 Dec 2020 03:18

Instrument :

MSVOA_V

ClientSampleId :

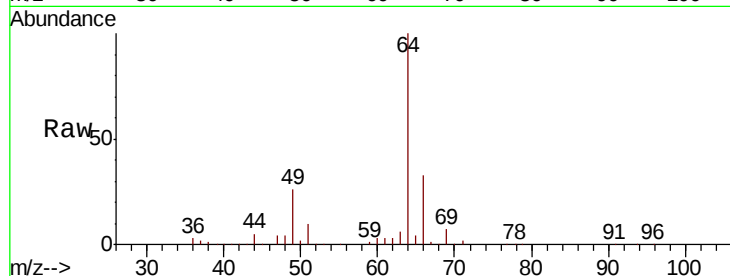
BFB69

Tot Ion: 64 Resp: 148958

Ion Ratio Lower Upper

64 100

66 32.7 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VV019711.D (-143) (-)

Ion 66.00 (65.70 to 66.70): VV019711.D (-143) (-)

150000

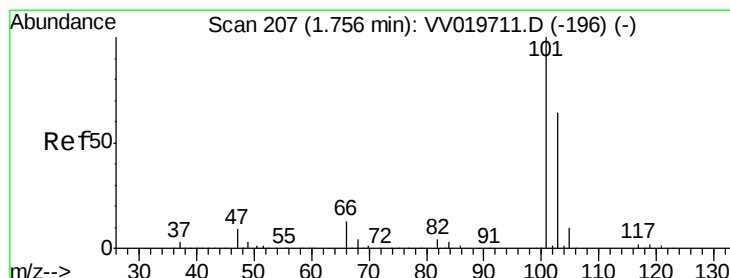
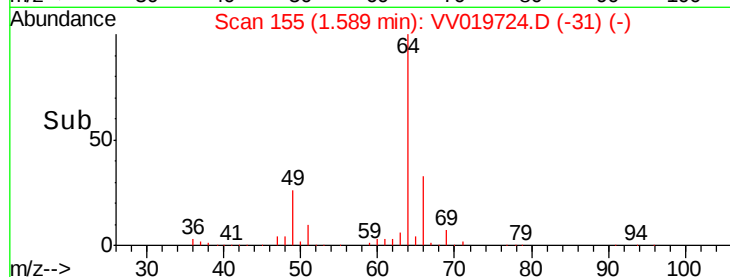
100000

50000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 50.120 ug/L

RT: 1.76 min Scan# 207

Delta R.T. -0.00 min

Lab File: VV019724.D

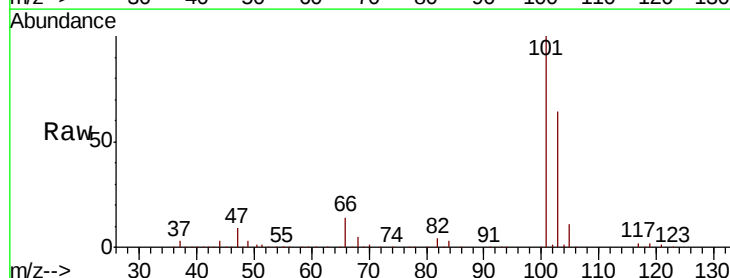
Acq: 19 Dec 2020 03:18

Tgt Ion:101 Resp: 300842

Ion Ratio Lower Upper

101 100

103 63.9 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): VV019711.D (-196) (-)

Ion 103.00 (102.70 to 103.70): VV019711.D (-196) (-)

250000

200000

150000

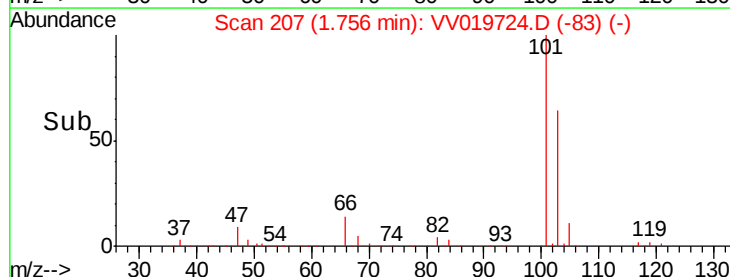
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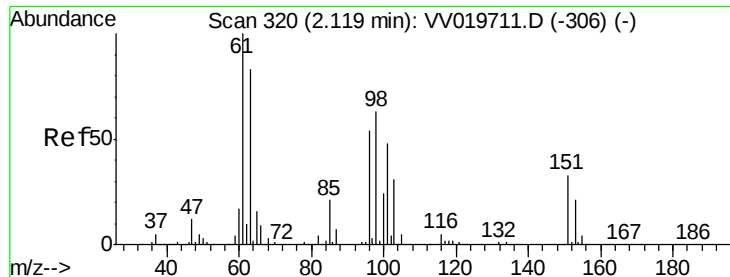
50000

0

1.70 1.75 1.80

Time-->





#10

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

Concen: 51.301 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.00 min

Lab File: VV019724.D

Acq: 19 Dec 2020 03:18

Instrument :

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ClientSampleId :

BFB69

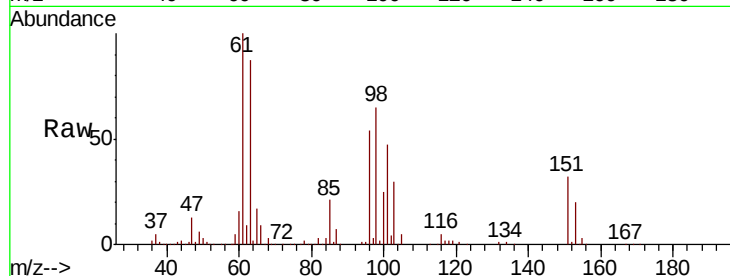
Tot Ion:101 Resp: 170057

Ion Ratio Lower Upper

101 100

85 44.3 35.0 52.4

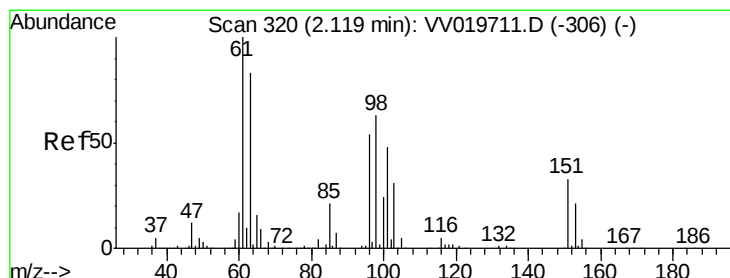
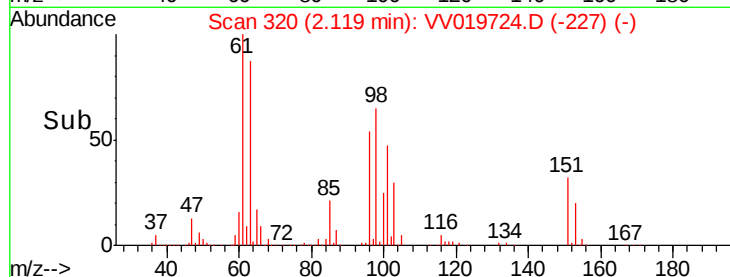
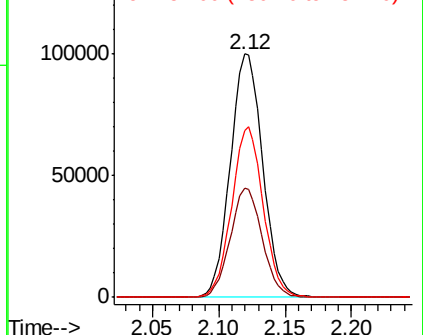
151 67.9 55.8 83.8



Abundance Ion 101.00 (100.70 to 101.70): VV019711.D (-306) (-)

Ion 85.00 (84.70 to 85.70): VV019711.D (-306) (-)

Ion 151.00 (150.70 to 151.70): VV019711.D (-306) (-)



#12

1,1-Dichloroethene

Concen: 49.568 ug/L

RT: 2.12 min Scan# 321

Delta R.T. 0.00 min

Lab File: VV019724.D

Acq: 19 Dec 2020 03:18

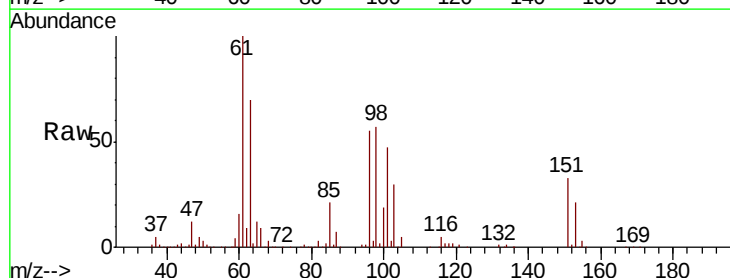
Tgt Ion: 96 Resp: 168611

Ion Ratio Lower Upper

96 100

61 180.2 120.7 224.1

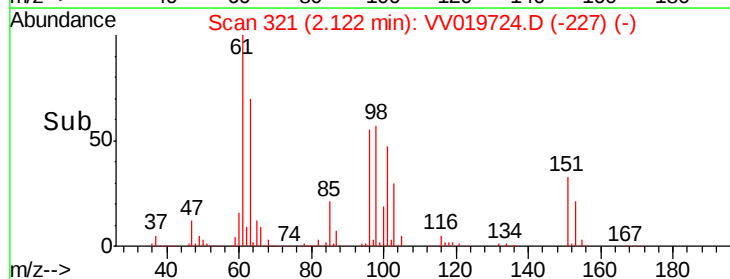
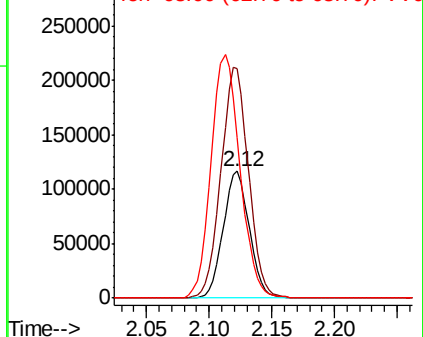
63 126.3 64.3 119.5#

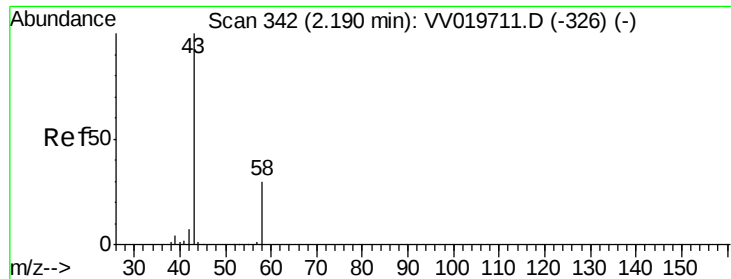


Abundance Ion 96.00 (95.70 to 96.70): VV019724.D (-227) (-)

Ion 61.00 (60.70 to 61.70): VV019724.D (-227) (-)

Ion 63.00 (62.70 to 63.70): VV019724.D (-227) (-)





#13

Acetone

Concen: 108.573 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

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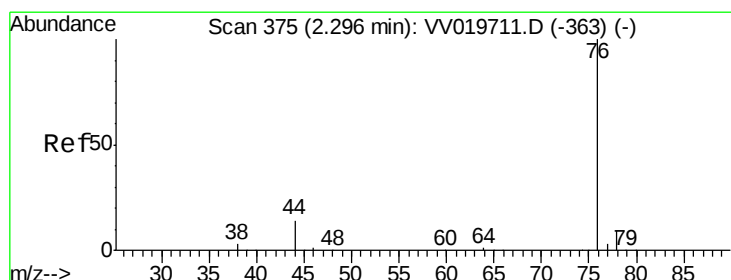
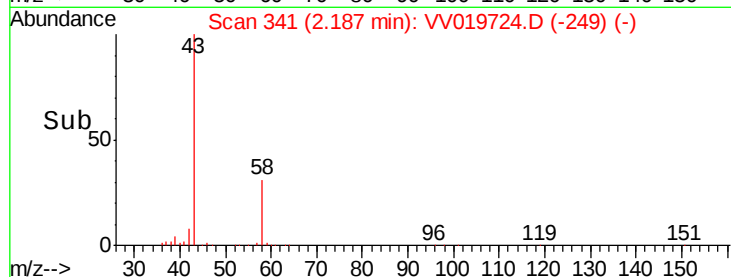
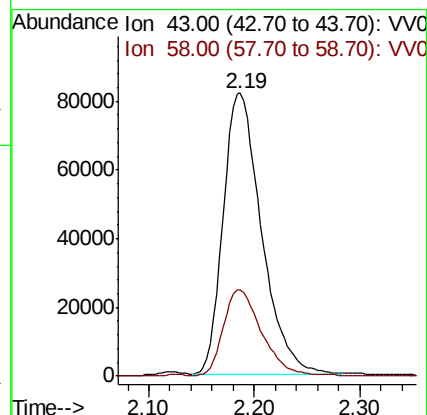
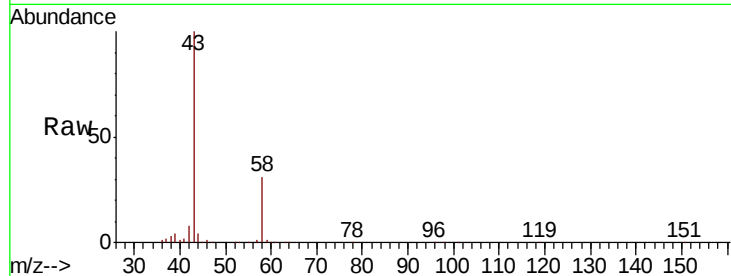
BFB69

Tot Ion: 43 Resp: 205845

Ion Ratio Lower Upper

43 100

58 30.5 0.0 61.6



#14

Carbon disulfide

Concen: 45.300 ug/L

RT: 2.30 min Scan# 375

Delta R.T. -0.00 min

Lab File: VV019724.D

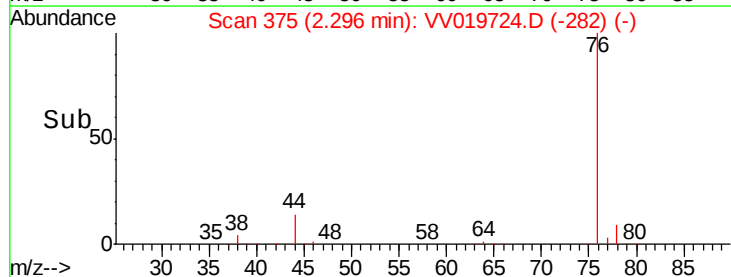
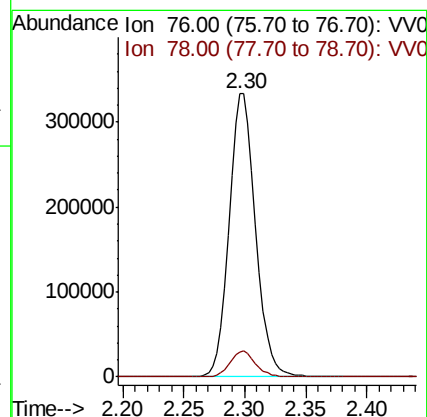
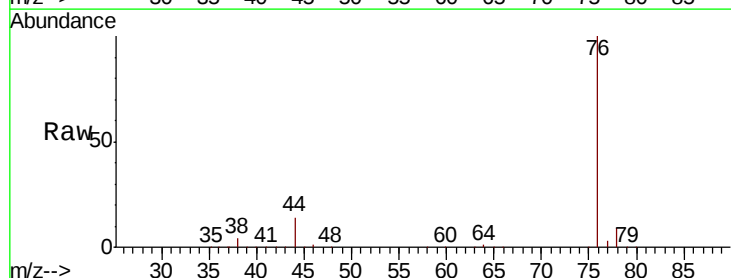
Acq: 19 Dec 2020 03:18

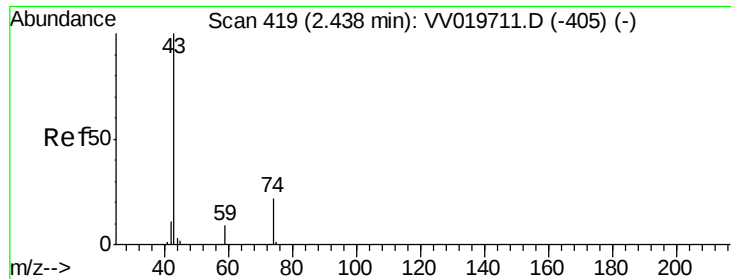
Tgt Ion: 76 Resp: 506320

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8

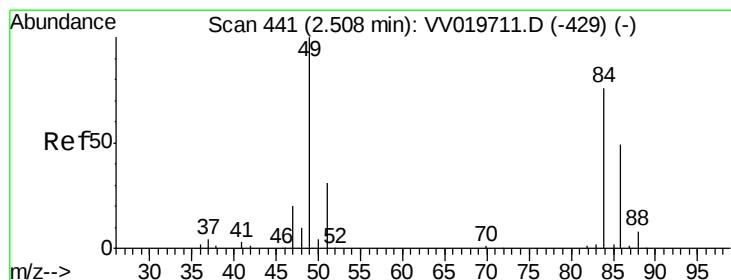
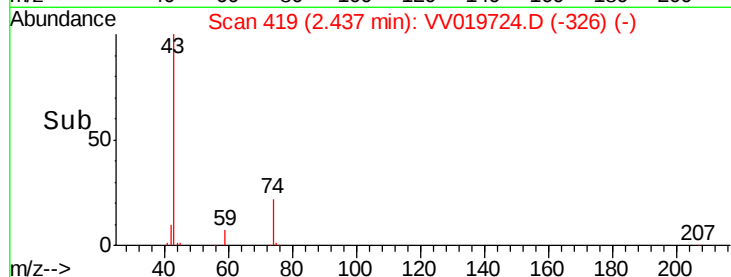
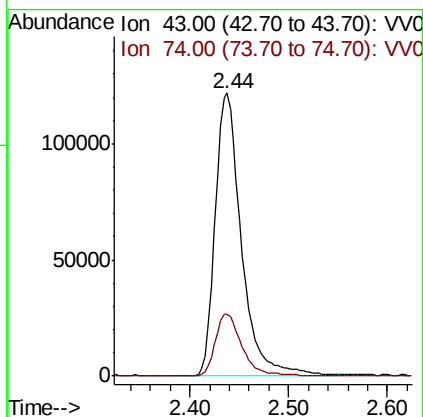
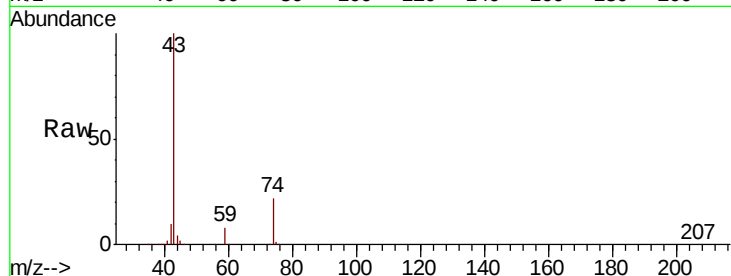




#15
Methvl Acetate
Concen: 54.512 ug/L
RT: 2.44 min Scan# 419
Delta R.T. -0.00 min
Lab File: VV019724.D
Acq: 19 Dec 2020 03:18

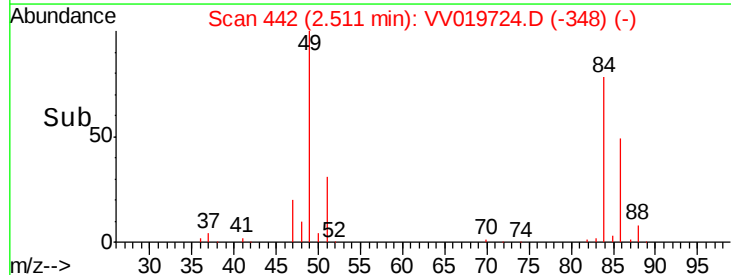
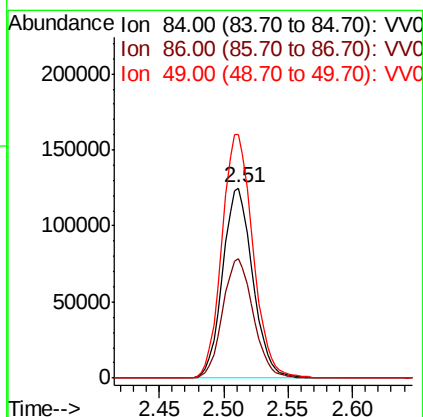
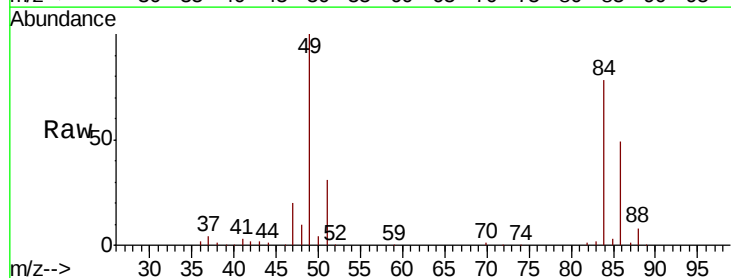
Instrument :
MSVOA_V
ClientSampled :
BFB69

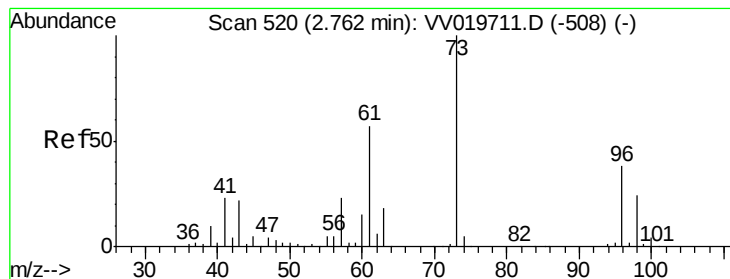
Tot Ion: 43 Resp: 225169
Ion Ratio Lower Upper
43 100
74 22.6 18.2 27.4



#16
Methylene chloride
Concen: 50.848 ug/L
RT: 2.51 min Scan# 442
Delta R.T. 0.00 min
Lab File: VV019724.D
Acq: 19 Dec 2020 03:18

Tgt Ion: 84 Resp: 202797
Ion Ratio Lower Upper
84 100
86 62.6 45.7 84.9
49 128.2 90.6 168.3





#17

trans-1,2-Dichloroethene

Concen: 49.387 ug/L

RT: 2.76 min Scan# 520

Delta R.T. -0.00 min

Lab File: VV019724.D

Acq: 19 Dec 2020 03:18

Instrument :

MSVOA_V

ClientSampleId :

BFB69

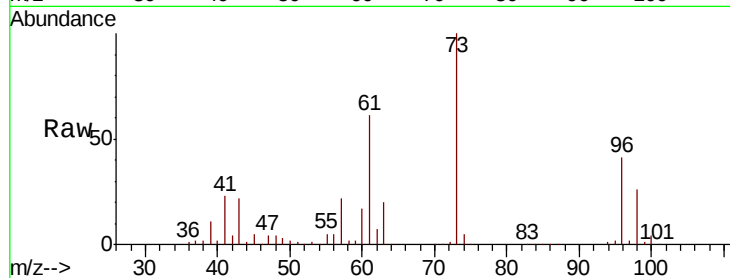
Tot Ion: 96 Resp: 184134

Ion Ratio Lower Upper

96 100

61 147.1 103.5 192.1

98 63.5 44.4 82.5

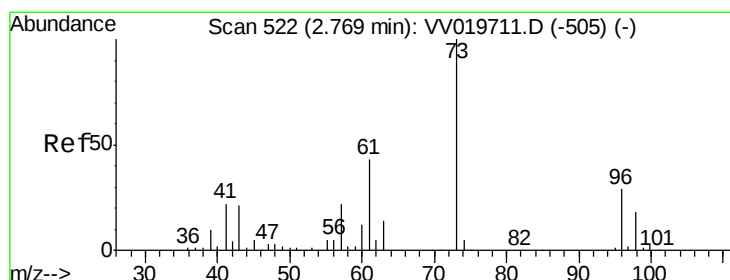
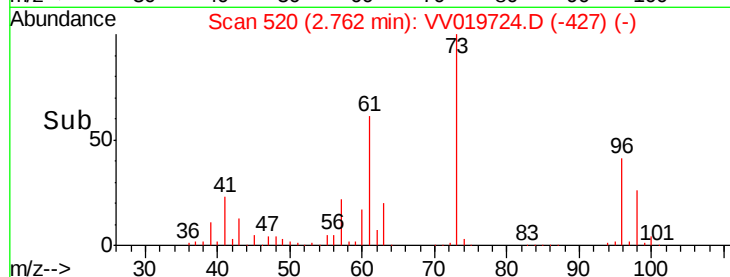
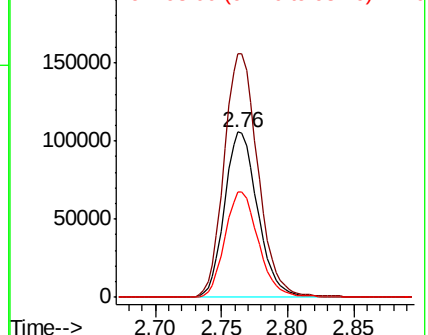


Abundance

Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 49.243 ug/L

RT: 2.77 min Scan# 523

Delta R.T. 0.00 min

Lab File: VV019724.D

Acq: 19 Dec 2020 03:18

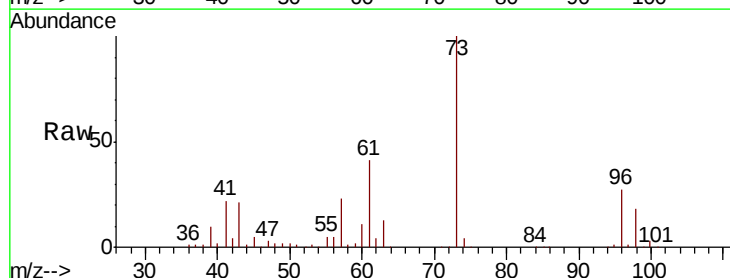
Tgt Ion: 73 Resp: 641550

Ion Ratio Lower Upper

73 100

43 21.2 17.3 25.9

57 22.6 17.5 26.3

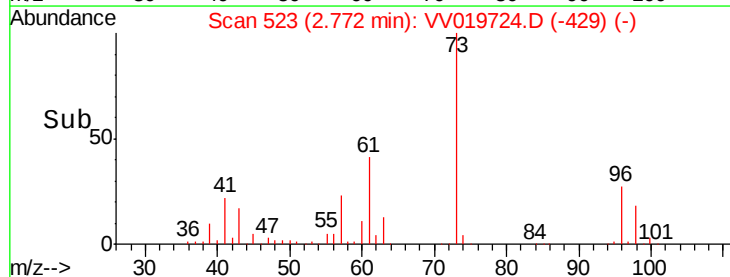
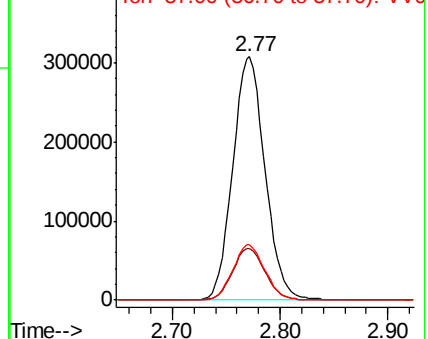


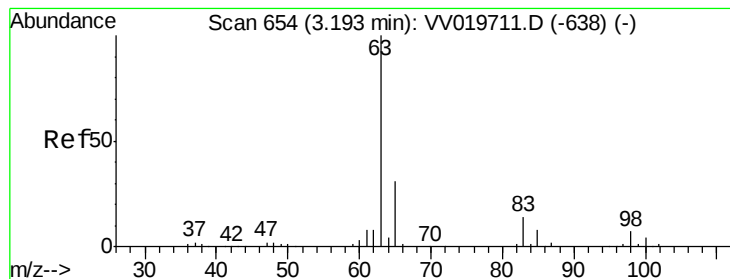
Abundance

Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

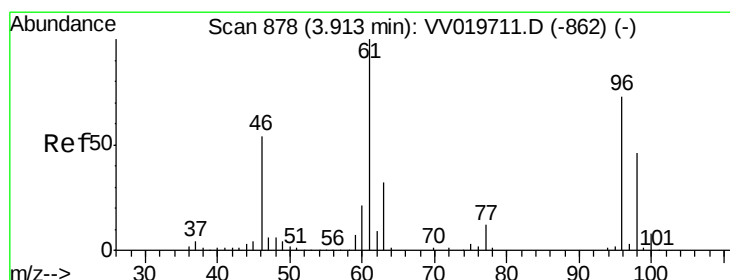
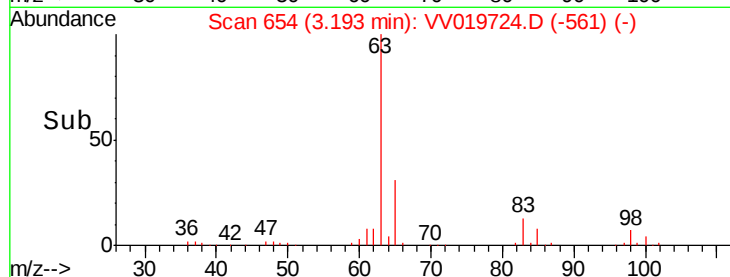
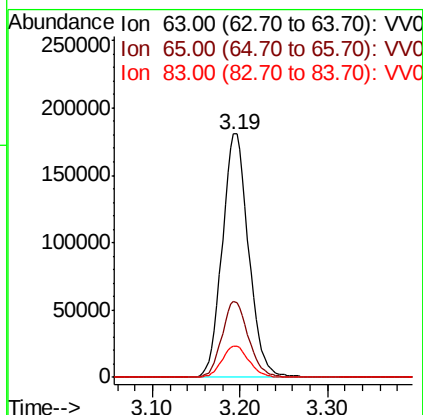
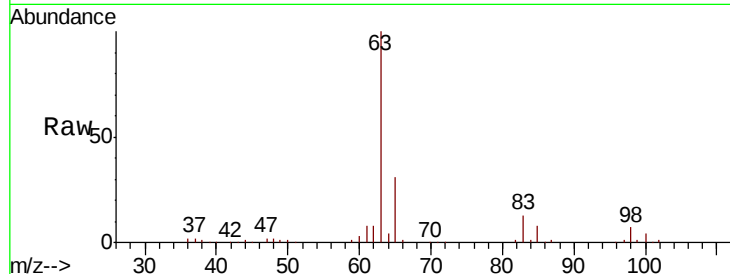




#19
 1,1-Dichloroethane
 Concen: 52.272 ug/L
 RT: 3.19 min Scan# 654
 Delta R.T. -0.00 min
 Lab File: VV019724.D
 Acq: 19 Dec 2020 03:18

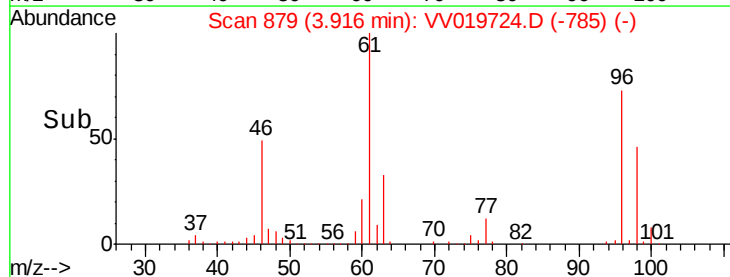
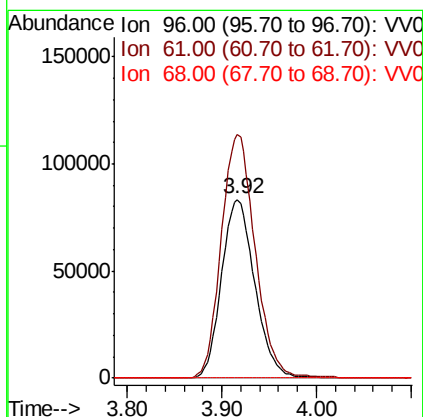
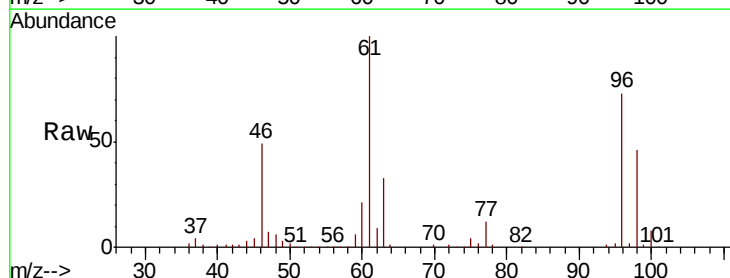
Instrument :
 MSVOA_V
 ClientSampleID :
 BFB69

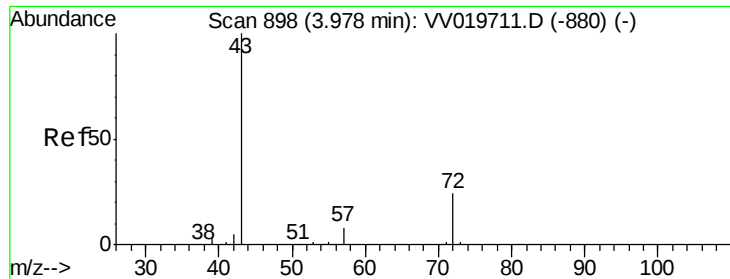
Tot Ion: 63 Resp: 377842
 Ion Ratio Lower Upper
 63 100
 65 31.2 22.4 41.6
 83 12.9 9.6 17.8



#20
 cis-1,2-Dichloroethene
 Concen: 49.784 ug/L
 RT: 3.92 min Scan# 879
 Delta R.T. 0.00 min
 Lab File: VV019724.D
 Acq: 19 Dec 2020 03:18

Tgt Ion: 96 Resp: 204048
 Ion Ratio Lower Upper
 96 100
 61 136.4 94.1 174.8
 68 0.0 0.1 0.1#





#22

2-Butanone

Concen: 113.436 ug/L

RT: 3.98 min Scan# 898

Delta R.T. -0.00 min

Lab File: VV019724.D

Acq: 19 Dec 2020 03:18

Instrument :

MSVOA_V

ClientSampleId :

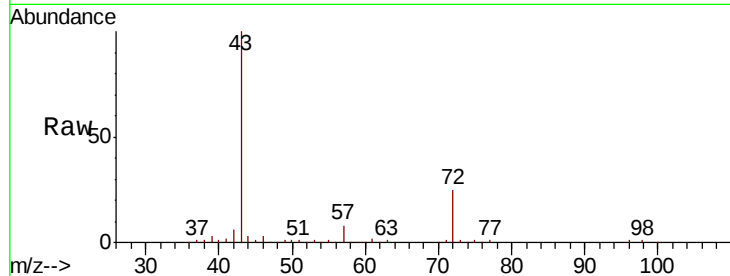
BFB69

Tot Ion: 43 Resp: 315468

Ion Ratio Lower Upper

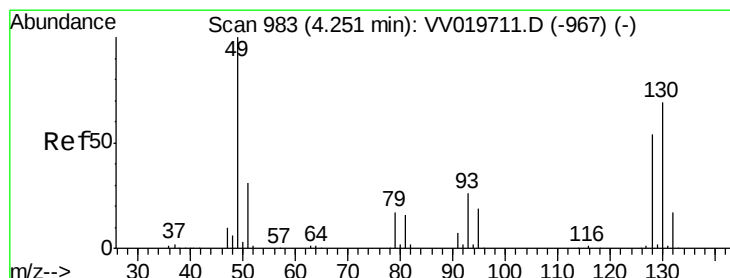
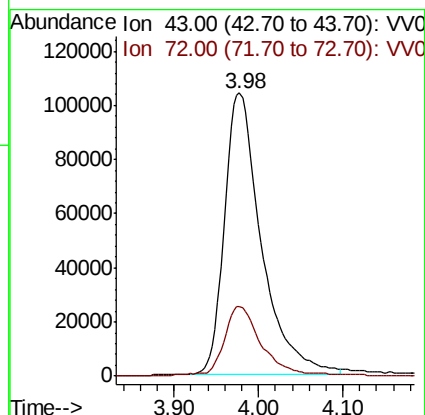
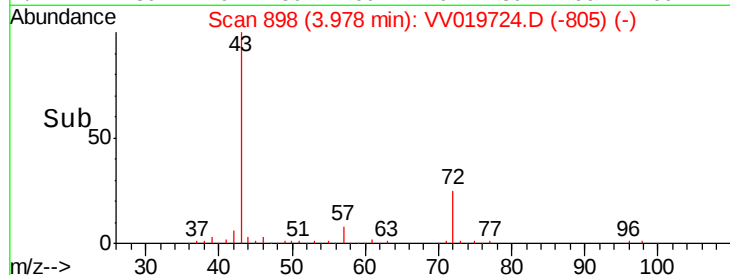
43 100

72 22.8 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VV019724.D (-805) (-)

Ion 72.00 (71.70 to 72.70): VV019724.D (-805) (-)



#23

Bromochloromethane

Concen: 50.252 ug/L

RT: 4.25 min Scan# 984

Delta R.T. 0.00 min

Lab File: VV019724.D

Acq: 19 Dec 2020 03:18

Tgt Ion:128 Resp: 101341

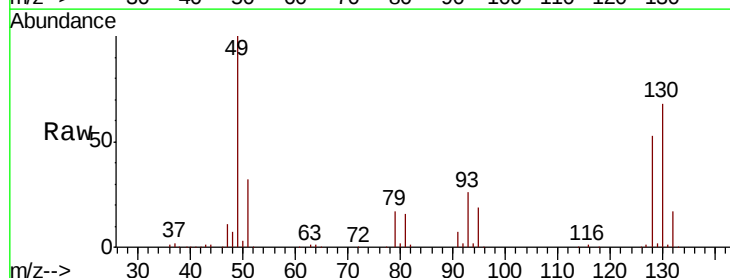
Ion Ratio Lower Upper

128 100

49 189.7 127.0 235.8

130 128.5 90.3 167.7

51 60.3 44.5 66.7

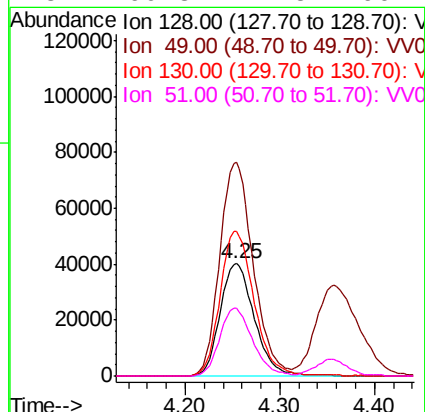
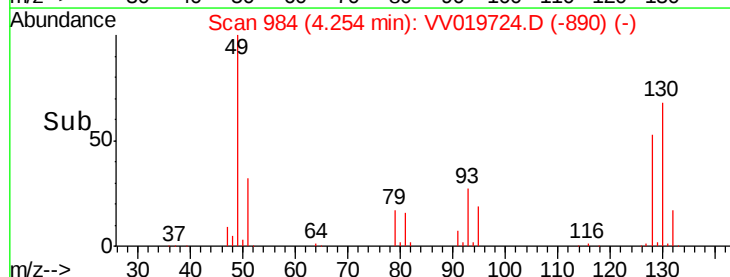


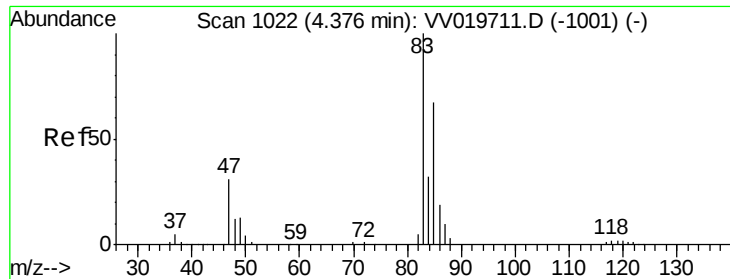
Abundance Ion 128.00 (127.70 to 128.70): VV019724.D (-890) (-)

Ion 49.00 (48.70 to 49.70): VV019724.D (-890) (-)

Ion 130.00 (129.70 to 130.70): VV019724.D (-890) (-)

Ion 51.00 (50.70 to 51.70): VV019724.D (-890) (-)

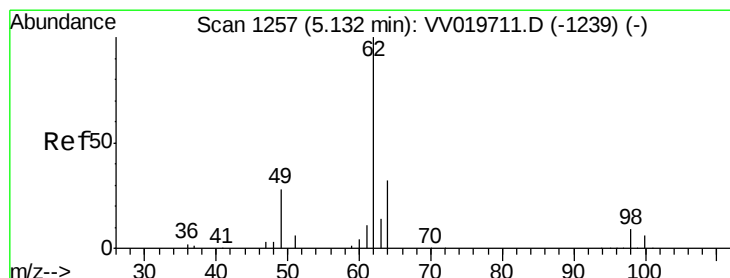
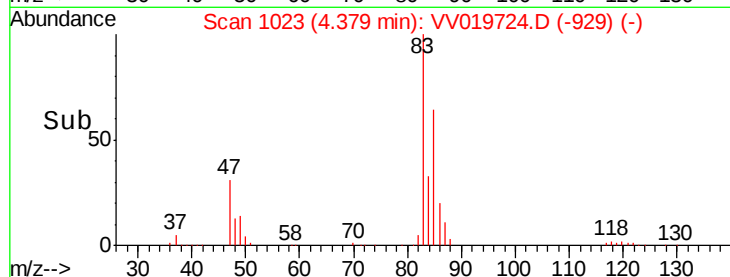
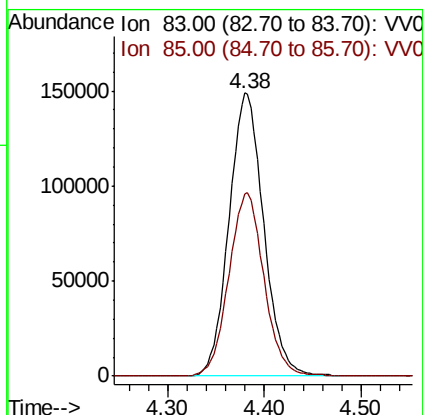
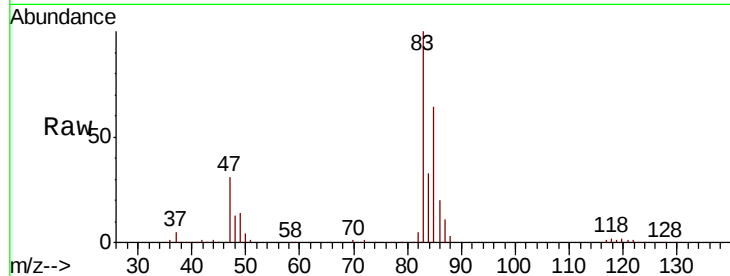




#25
Chloroform
Concen: 51.401 ug/L
RT: 4.38 min Scan# 1023
Delta R.T. 0.00 min
Lab File: VV019724.D
Acq: 19 Dec 2020 03:18

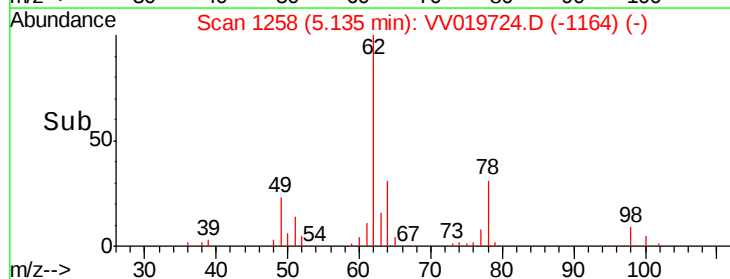
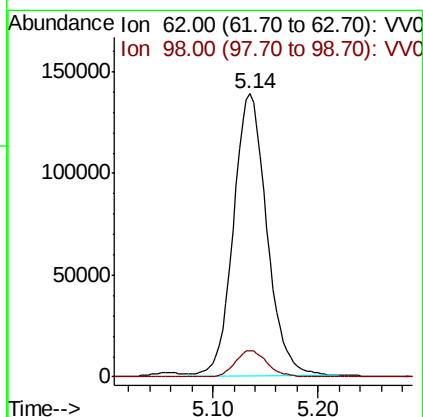
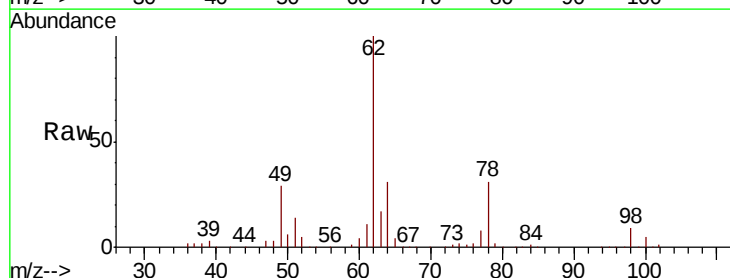
Instrument :
MSVOA_V
ClientSampleId :
BFB69

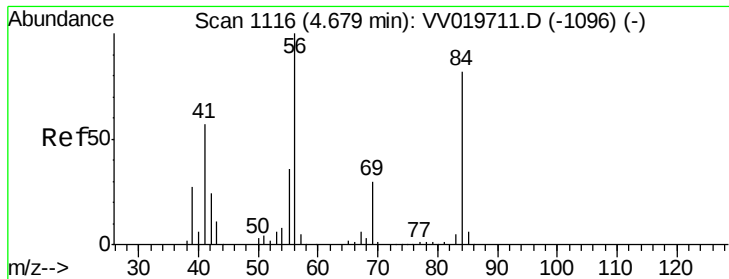
Tot Ion: 83 Resp: 371069
Ion Ratio Lower Upper
83 100
85 64.2 45.6 84.6



#27
1,2-Dichloroethane
Concen: 50.873 ug/L
RT: 5.14 min Scan# 1258
Delta R.T. 0.00 min
Lab File: VV019724.D
Acq: 19 Dec 2020 03:18

Tgt Ion: 62 Resp: 304256
Ion Ratio Lower Upper
62 100
98 9.3 7.4 11.0

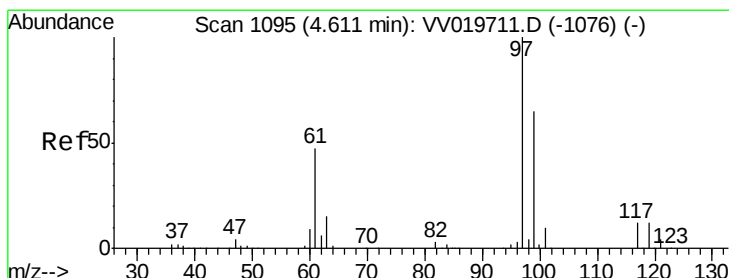
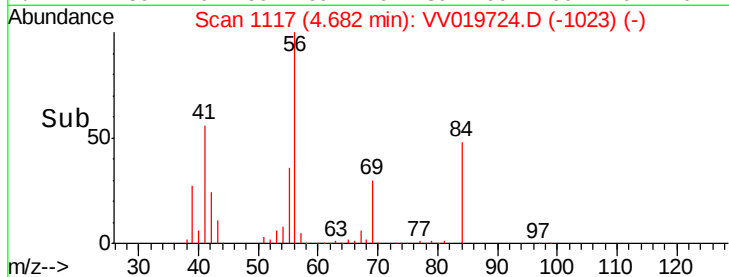
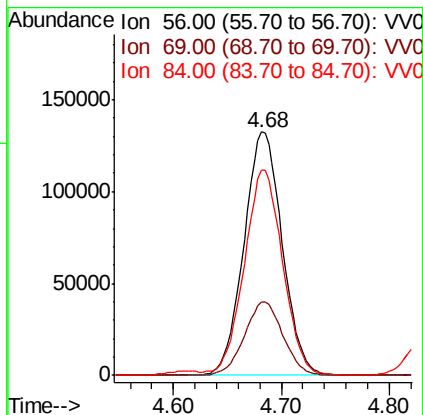
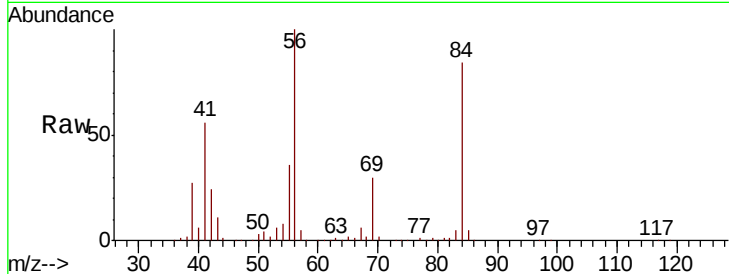




#29
Cyclohexane
Concen: 48.718 ug/L
RT: 4.68 min Scan# 1117
Delta R.T. 0.00 min
Lab File: VV019724.D
Acq: 19 Dec 2020 03:18

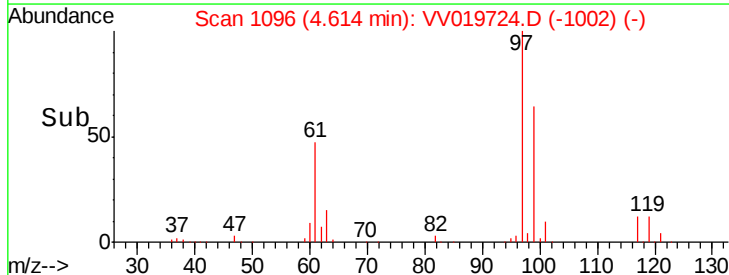
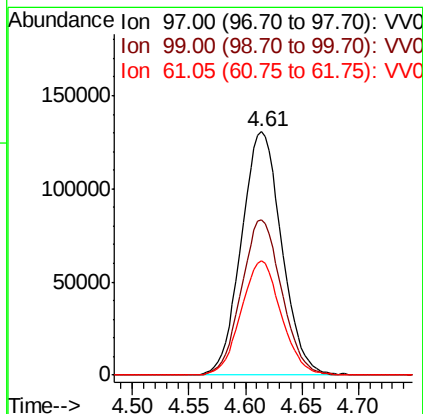
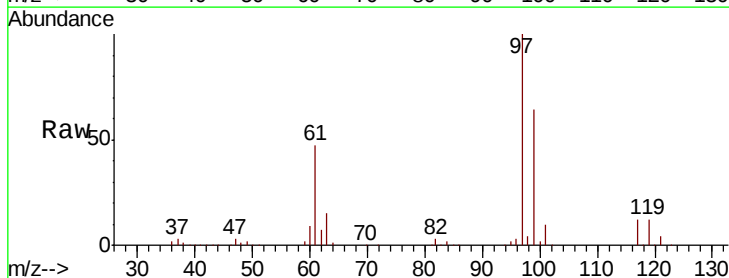
Instrument :
MSVOA_V
ClientSampleId :
BFB69

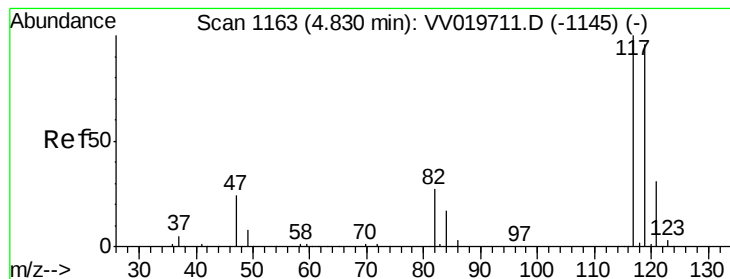
Tot Ion: 56 Resp: 325748
Ion Ratio Lower Upper
56 100
69 30.3 24.6 37.0
84 84.3 68.2 102.4



#30
1,1,1-Trichloroethane
Concen: 47.426 ug/L
RT: 4.61 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VV019724.D
Acq: 19 Dec 2020 03:18

Tgt Ion: 97 Resp: 324422
Ion Ratio Lower Upper
97 100
99 63.7 51.3 76.9
61 46.9 36.3 54.5





#31

Carbon tetrachloride

Concen: 46.255 ug/L

RT: 4.83 min Scan# 1164

Delta R.T. 0.00 min

Lab File: VV019724.D

Acq: 19 Dec 2020 03:18

Instrument :

MSVOA_V

ClientSampleId :

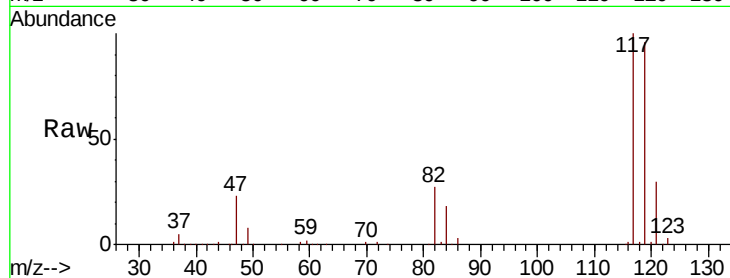
BFB69

Tot Ion:117 Resp: 267105

Ion Ratio Lower Upper

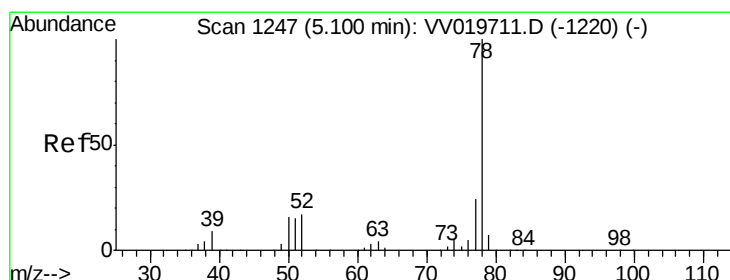
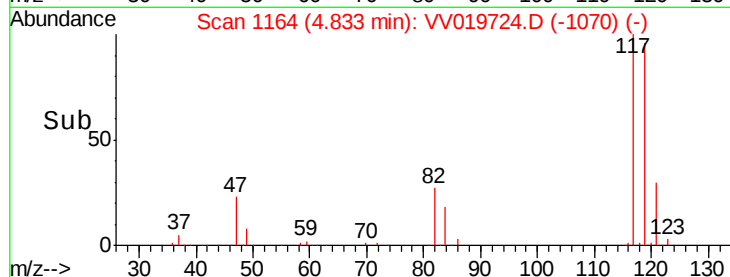
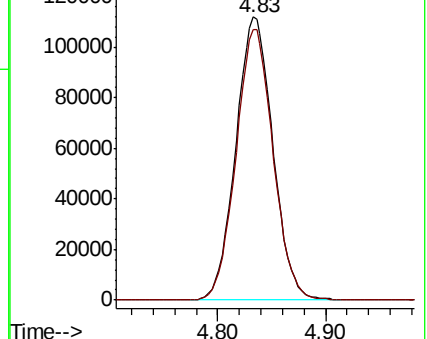
117 100

119 95.5 75.7 113.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 49.864 ug/L

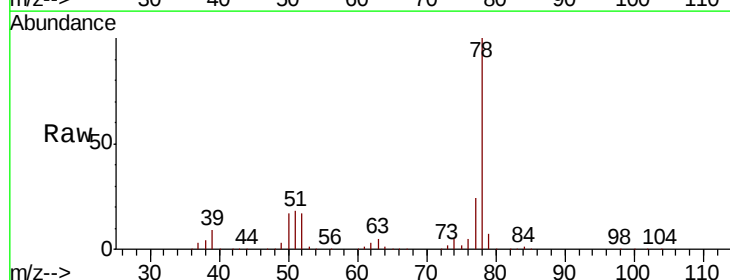
RT: 5.10 min Scan# 1248

Delta R.T. 0.00 min

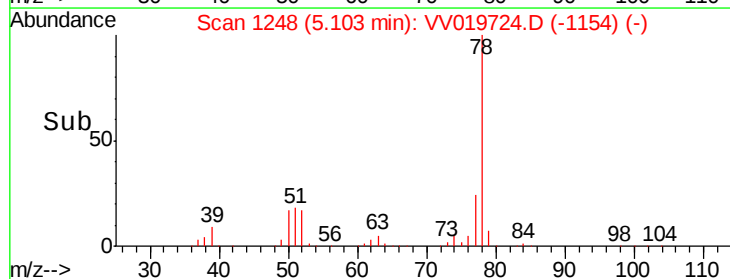
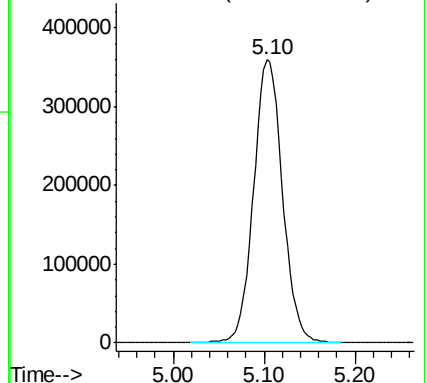
Lab File: VV019724.D

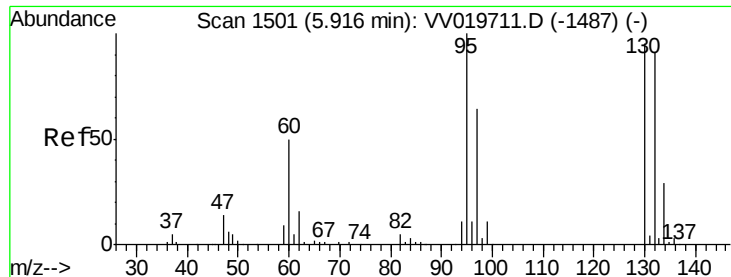
Acq: 19 Dec 2020 03:18

Tgt Ion: 78 Resp: 795047



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 48.732 ug/L

RT: 5.92 min Scan# 1501

Delta R.T. -0.00 min

Lab File: VV019724.D

Acq: 19 Dec 2020 03:18

Instrument :

MSVOA_V

ClientSampleId :

BFB69

Tot Ion: 95 Resp: 205251

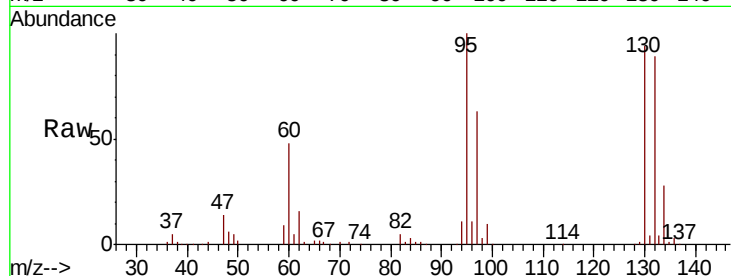
Ion Ratio Lower Upper

95 100

97 63.1 44.4 82.4

132 88.8 64.3 119.3

130 93.9 67.8 125.8

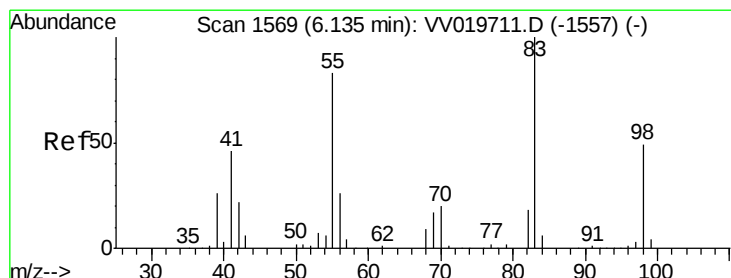
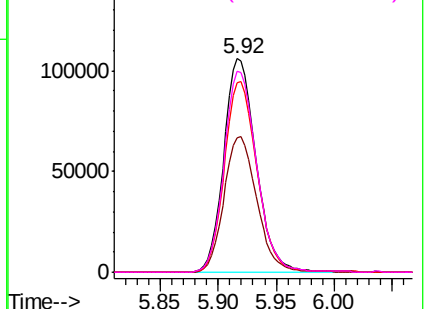
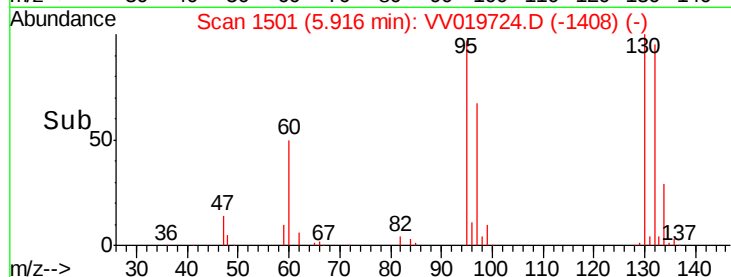


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 48.929 ug/L

RT: 6.14 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VV019724.D

Acq: 19 Dec 2020 03:18

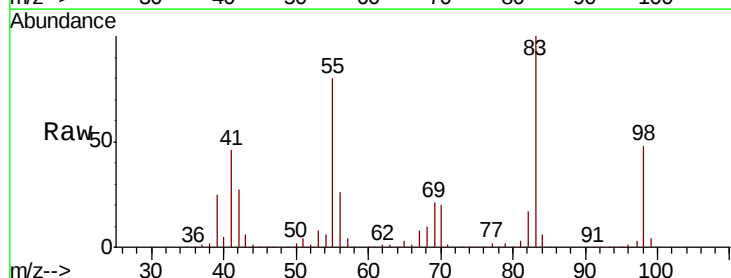
Tgt Ion: 83 Resp: 313075

Ion Ratio Lower Upper

83 100

55 80.4 64.2 96.4

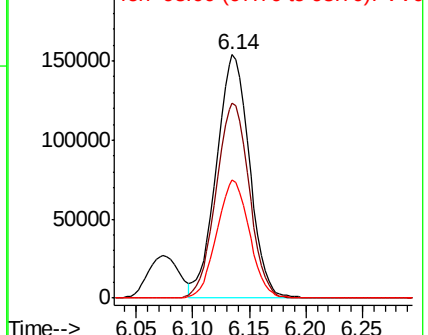
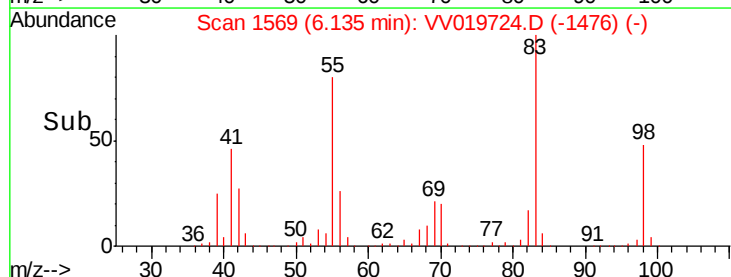
98 47.6 39.3 58.9

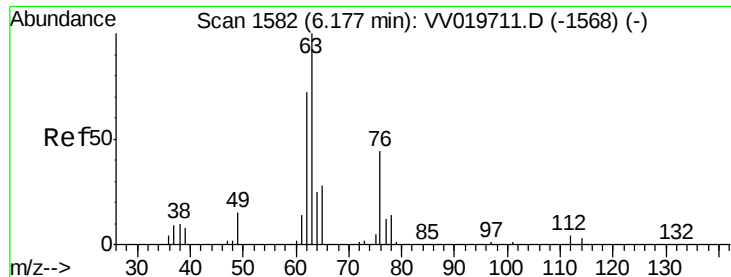


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 52.098 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VV019724.D

Acq: 19 Dec 2020 03:18

Instrument :

MSVOA_V

ClientSampleId :

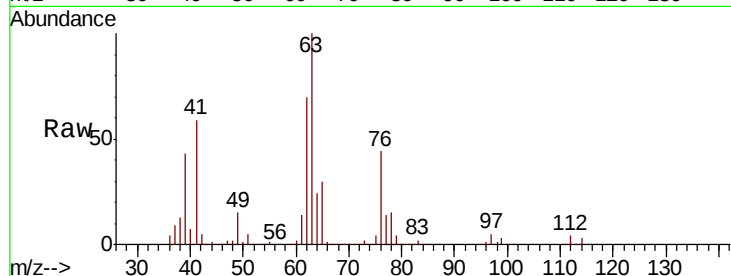
BFB69

Tot Ion: 63 Resp: 216924

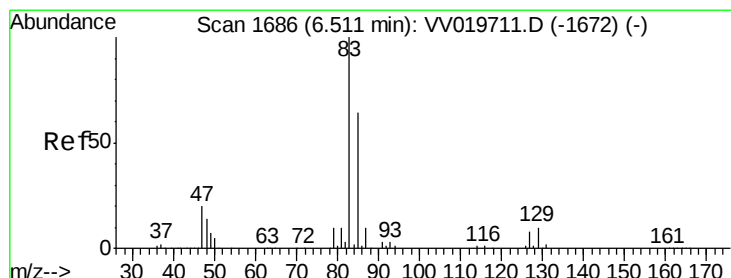
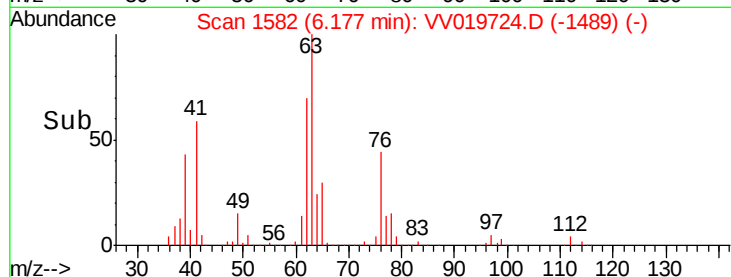
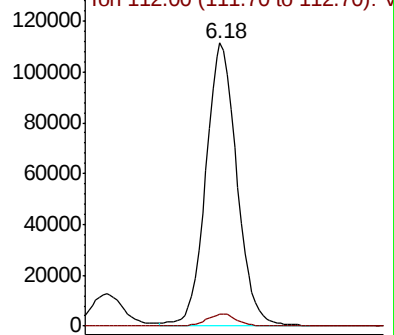
Ion Ratio Lower Upper

63 100

112 4.2 3.5 5.3



Abundance Ion 63.00 (62.70 to 63.70): VV019711.D (-1568) (-)



#38

Bromodichloromethane

Concen: 47.906 ug/L

RT: 6.51 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VV019724.D

Acq: 19 Dec 2020 03:18

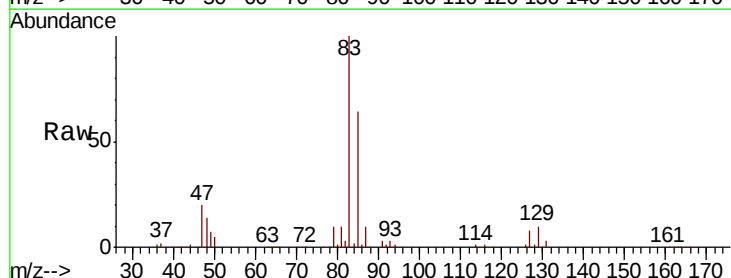
Tgt Ion: 83 Resp: 278930

Ion Ratio Lower Upper

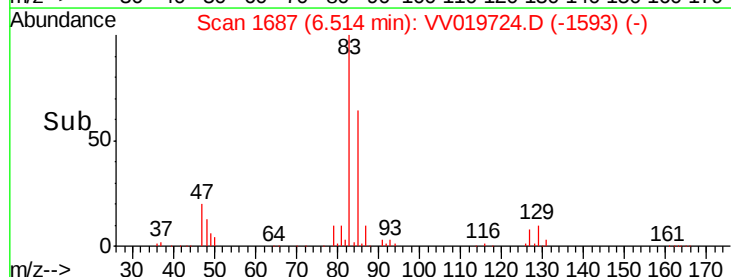
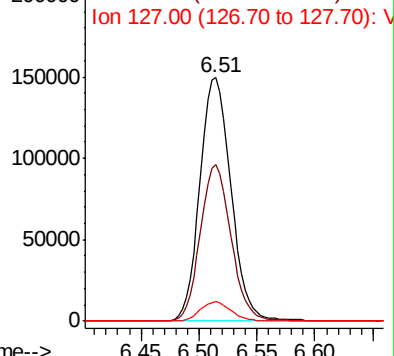
83 100

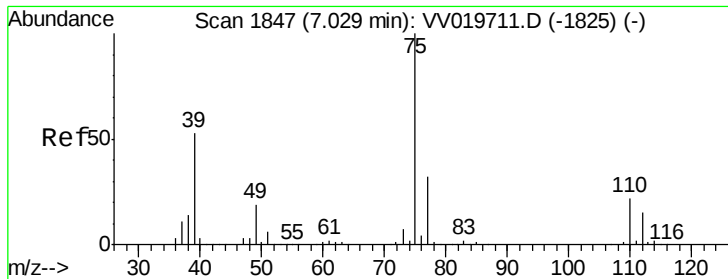
85 64.3 44.9 83.5

127 7.8 6.7 10.1



Abundance Ion 83.00 (82.70 to 83.70): VV019711.D (-1672) (-)

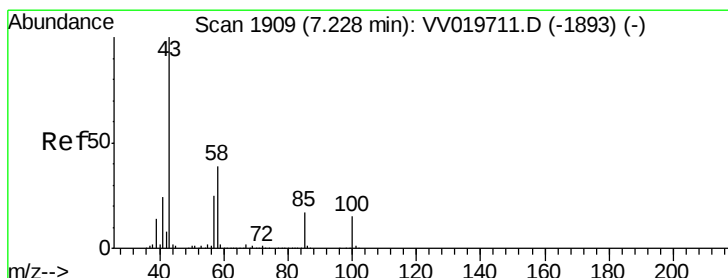
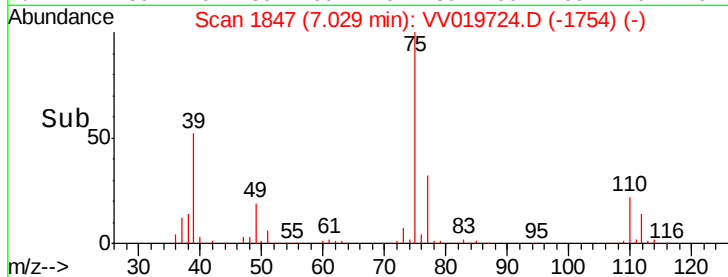
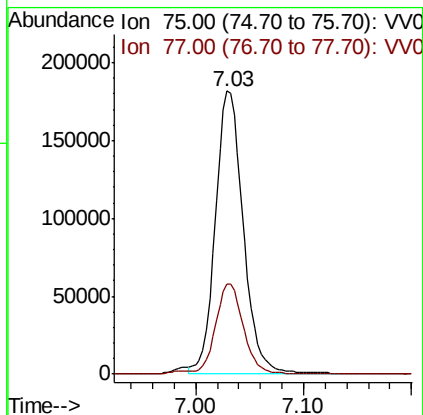
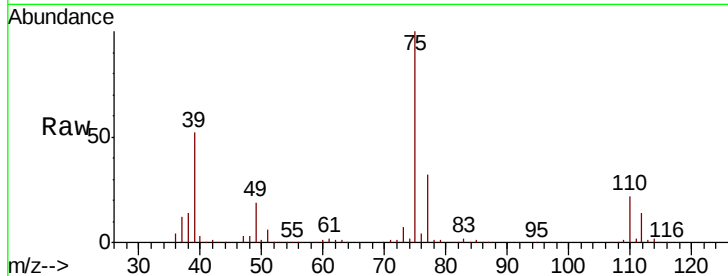




#39
 cis-1,3-Dichloropropene
 Concen: 46.986 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.00 min
 Lab File: VV019724.D
 Acq: 19 Dec 2020 03:18

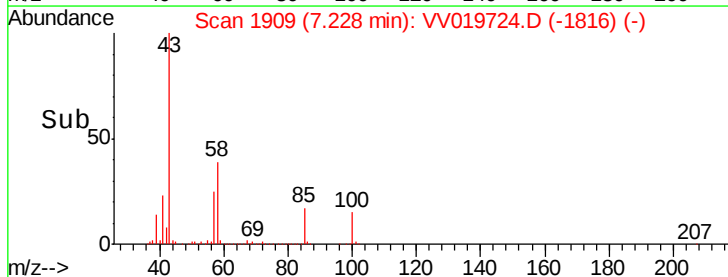
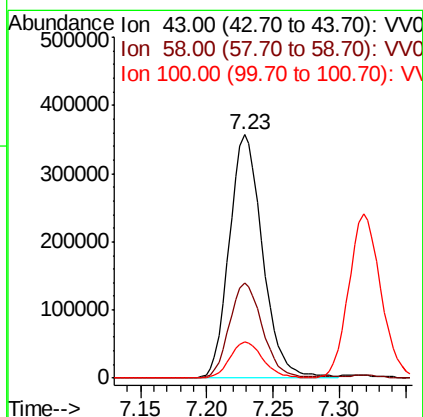
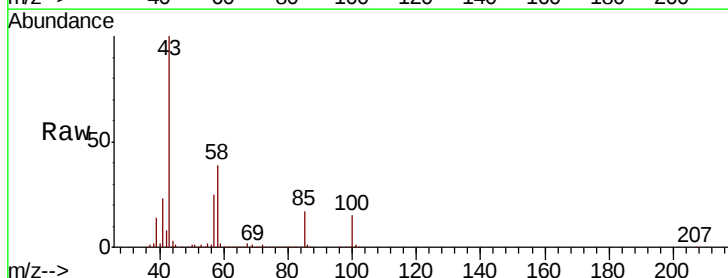
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB69

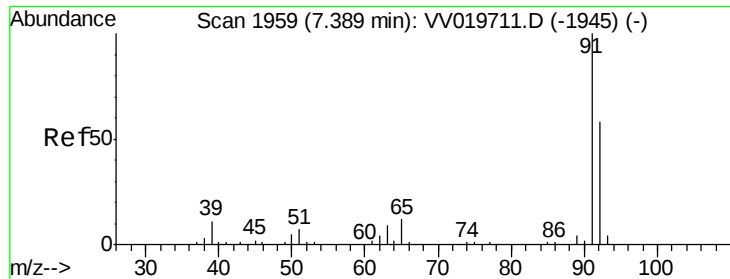
Tot Ion: 75 Resp: 324931
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 103.943 ug/L
 RT: 7.23 min Scan# 1909
 Delta R.T. -0.00 min
 Lab File: VV019724.D
 Acq: 19 Dec 2020 03:18

Tgt Ion: 43 Resp: 624408
 Ion Ratio Lower Upper
 43 100
 58 38.9 31.7 47.5
 100 14.8 12.5 18.7





#42

Toluene

Concen: 49.074 ug/L

RT: 7.39 min Scan# 1960

Delta R.T. 0.00 min

Lab File: VV019724.D

Acq: 19 Dec 2020 03:18

Instrument :

MSVOA_V

ClientSampled :

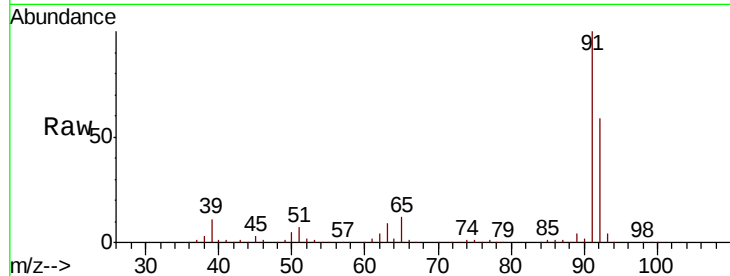
BFB69

Tot Ion: 91 Resp: 824669

Ion Ratio Lower Upper

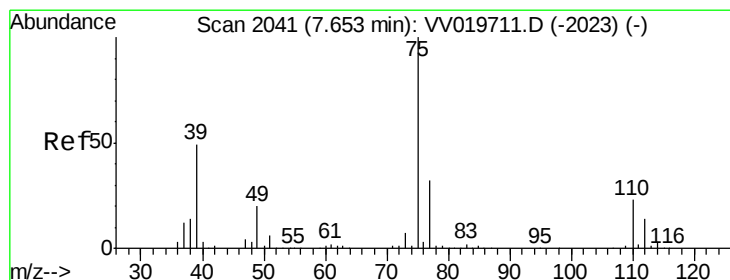
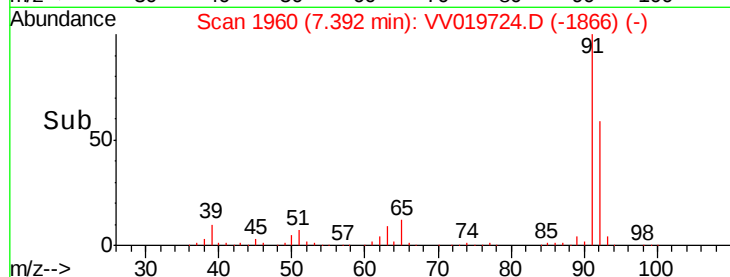
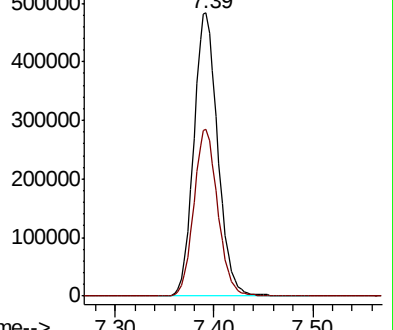
91 100

92 59.1 41.4 76.8



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 45.674 ug/L

RT: 7.65 min Scan# 2041

Delta R.T. -0.00 min

Lab File: VV019724.D

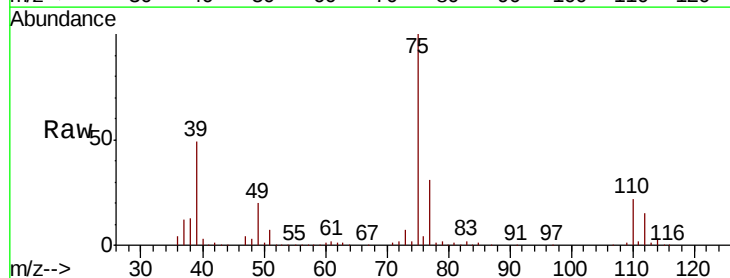
Acq: 19 Dec 2020 03:18

Tgt Ion: 75 Resp: 319824

Ion Ratio Lower Upper

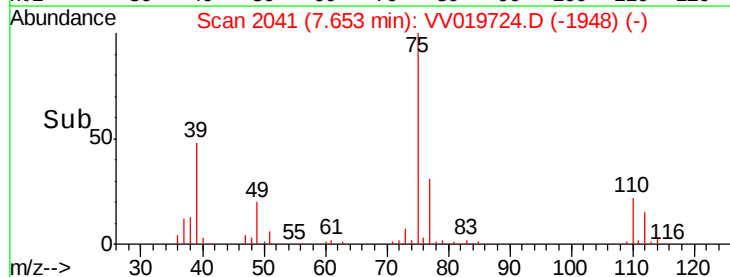
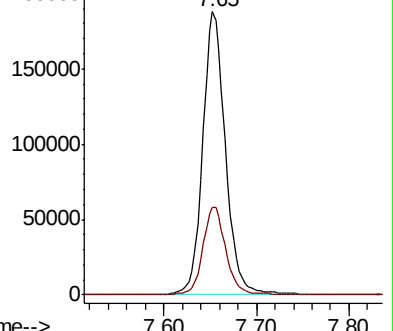
75 100

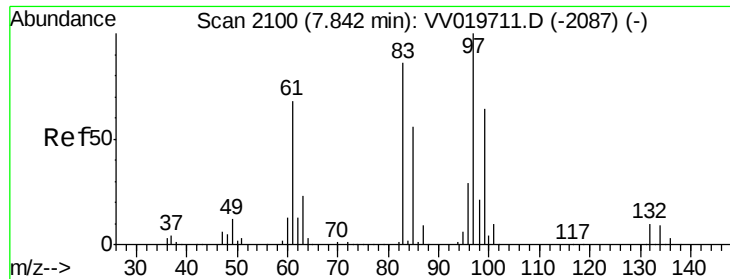
77 31.0 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

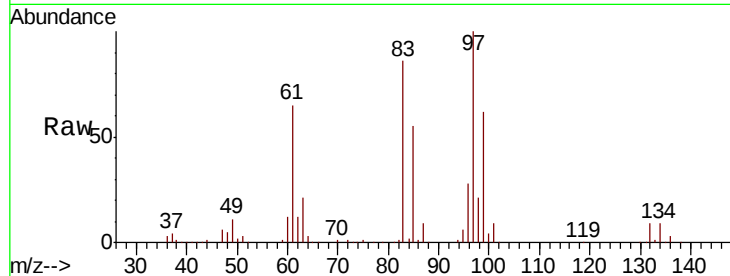




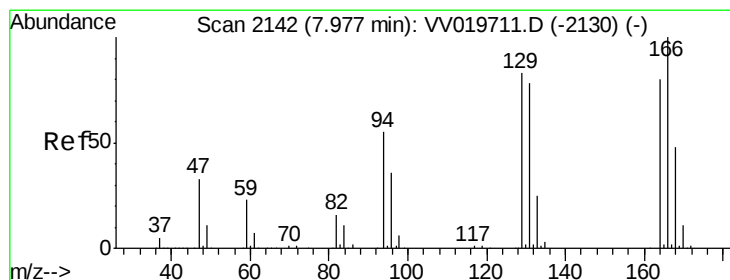
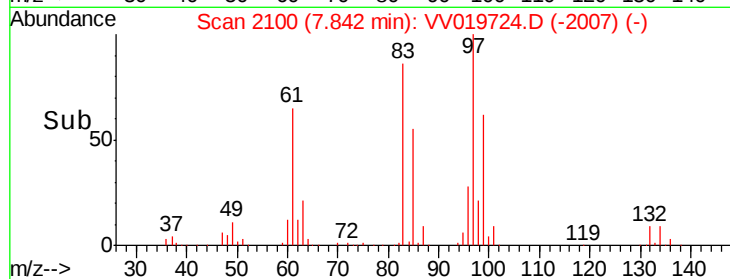
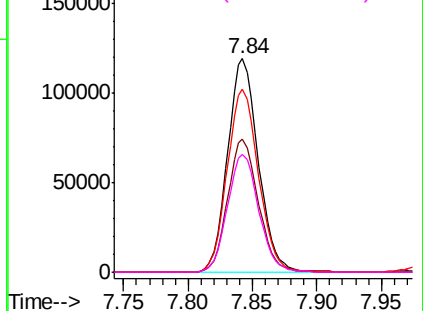
#45
 1,1,2-Trichloroethane
 Concen: 49.820 ug/L
 RT: 7.84 min Scan# 2100
 Delta R.T. -0.00 min
 Lab File: VV019724.D
 Acq: 19 Dec 2020 03:18

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB69

Tot Ion:	97	Resp:	196990
Ion	Ratio	Lower	Upper
97	100		
99	62.5	44.1	81.9
83	85.6	60.0	111.4
85	55.1	38.6	71.8

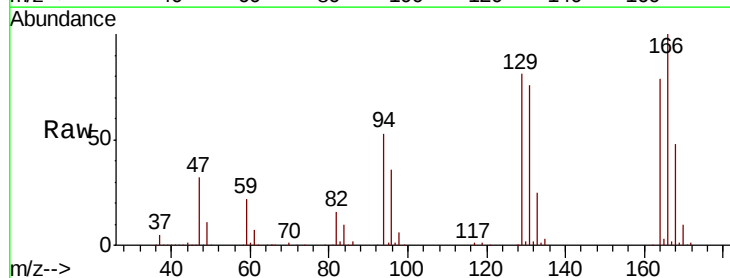


Abundance Ion 97.00 (96.70 to 97.70): VV0
 Ion 99.00 (98.70 to 99.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0
 Ion 85.00 (84.70 to 85.70): VV0

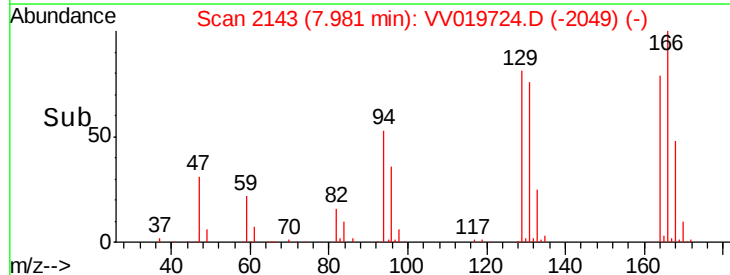
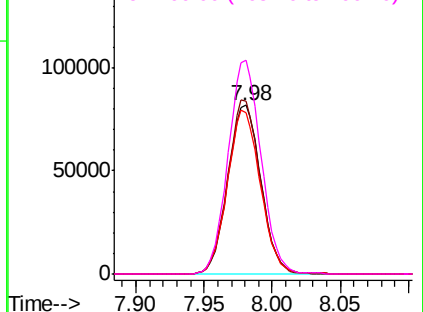


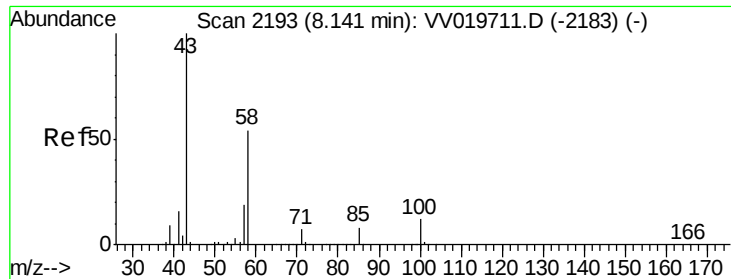
#46
 Tetrachloroethene
 Concen: 47.318 ug/L
 RT: 7.98 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VV019724.D
 Acq: 19 Dec 2020 03:18

Tgt Ion:	164	Resp:	137905
Ion	Ratio	Lower	Upper
164	100		
129	102.7	70.6	131.0
131	95.9	68.0	126.4
166	126.6	86.9	161.5



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

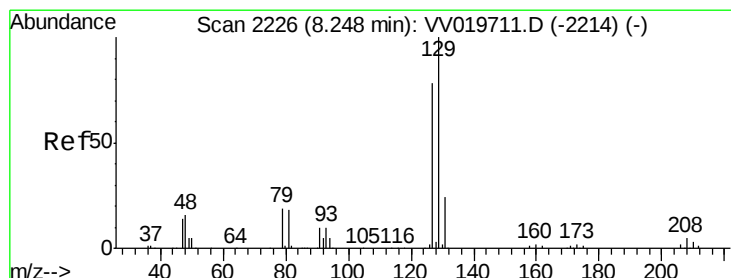
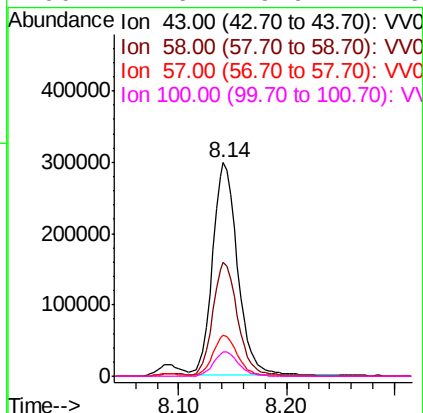
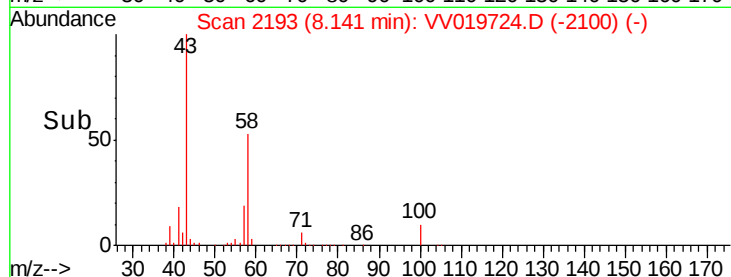
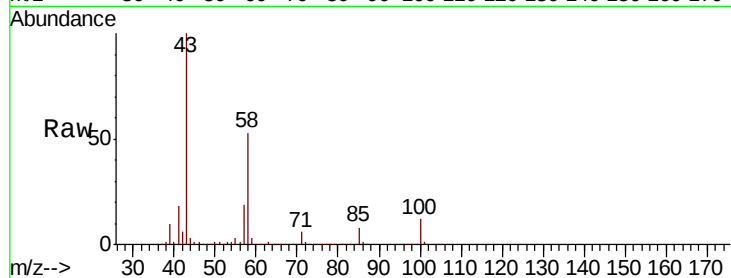




#48
2-Hexanone
Concen: 105.644 ug/L
RT: 8.14 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VV019724.D
Acq: 19 Dec 2020 03:18

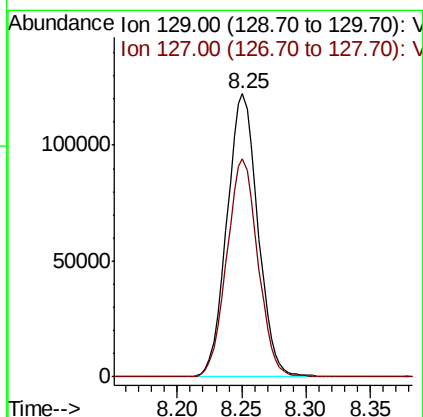
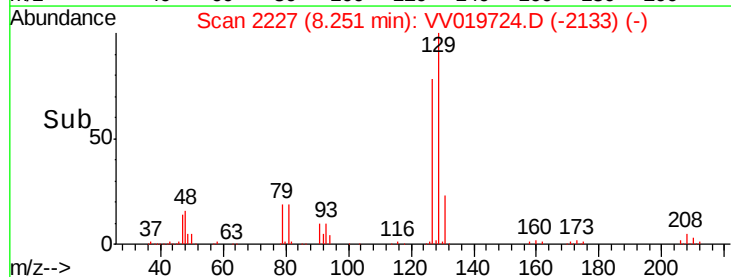
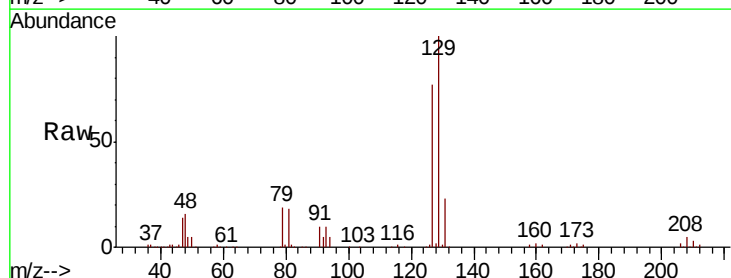
Instrument :
MSVOA_V
ClientSampleId :
BFB69

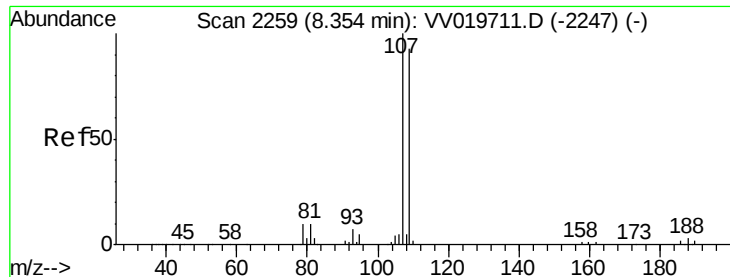
Tot Ion: 43 Resp: 481539
Ion Ratio Lower Upper
43 100
58 53.9 44.4 66.6
57 19.0 15.7 23.5
100 11.6 9.9 14.9



#49
Dibromochloromethane
Concen: 47.098 ug/L
RT: 8.25 min Scan# 2227
Delta R.T. 0.00 min
Lab File: VV019724.D
Acq: 19 Dec 2020 03:18

Tgt Ion: 129 Resp: 203945
Ion Ratio Lower Upper
129 100
127 76.9 54.2 100.6

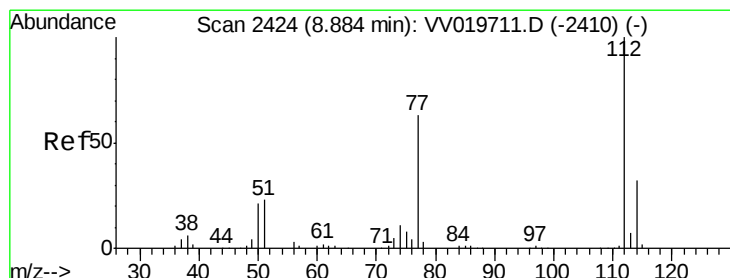
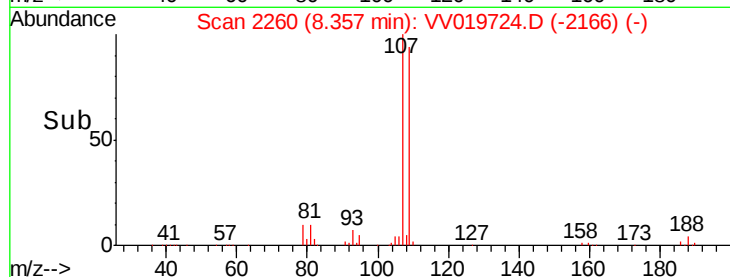
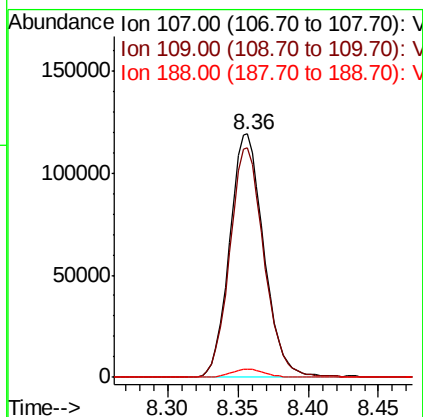
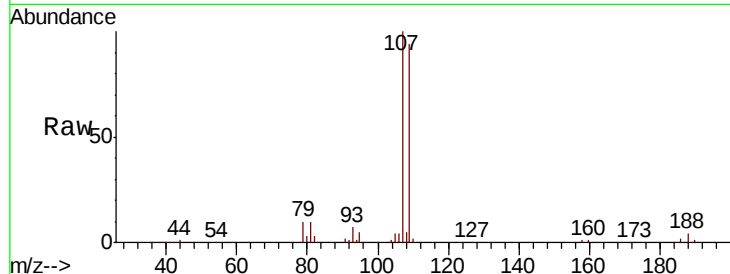




#50
1,2-Dibromoethane
Concen: 48.716 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.00 min
Lab File: VV019724.D
Acq: 19 Dec 2020 03:18

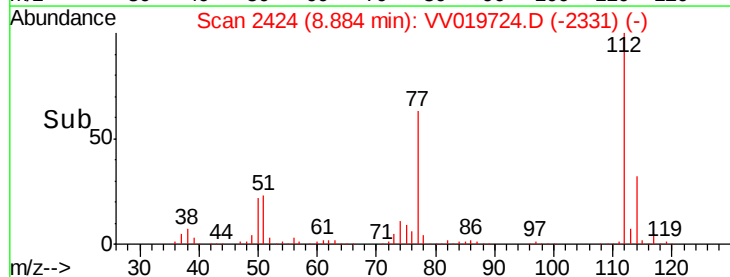
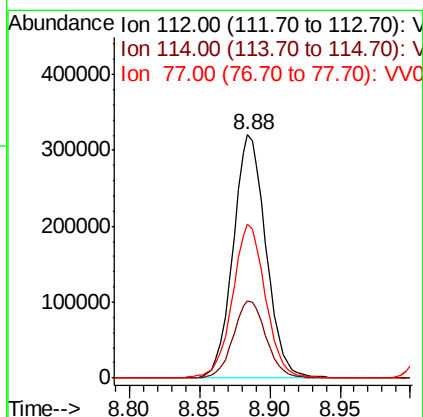
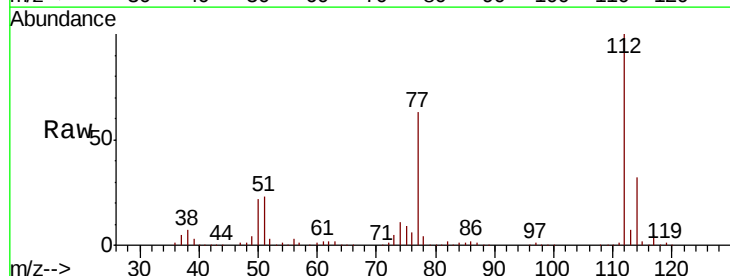
Instrument :
MSVOA_V
ClientSampleId :
BFB69

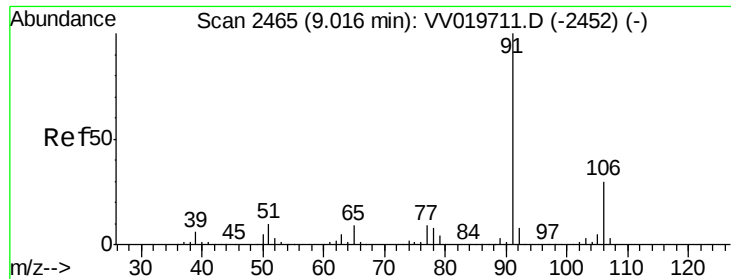
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	66.4	123.2
188	3.5	2.9	4.3



#51
Chlorobenzene
Concen: 48.716 ug/L
RT: 8.88 min Scan# 2424
Delta R.T. -0.00 min
Lab File: VV019724.D
Acq: 19 Dec 2020 03:18

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.2	41.2
77	63.0	50.6	75.8

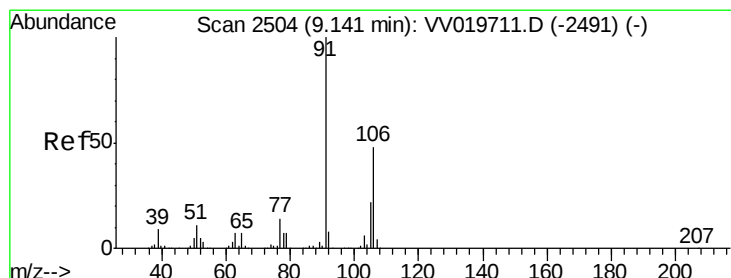
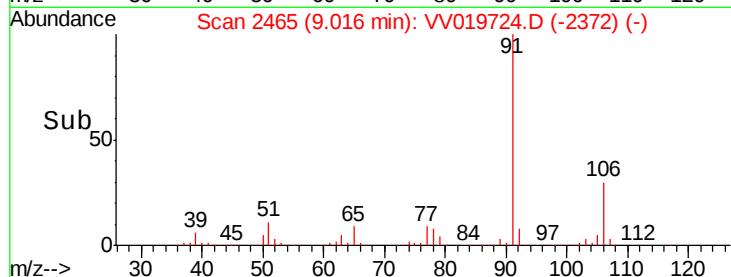
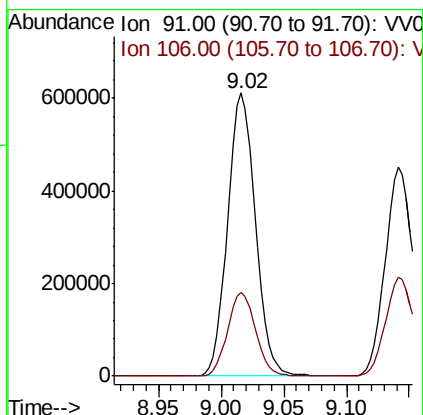
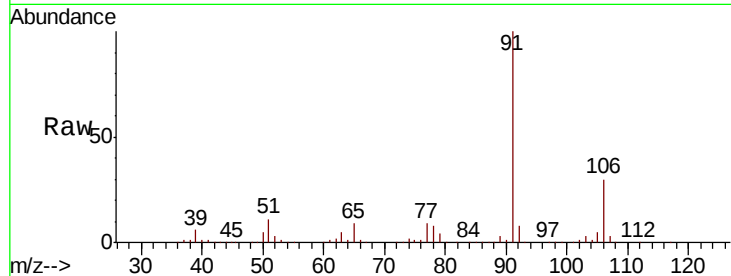




#52
Ethylbenzene
Concen: 49.210 ug/L
RT: 9.02 min Scan# 2465
Delta R.T. -0.00 min
Lab File: VV019724.D
Acq: 19 Dec 2020 03:18

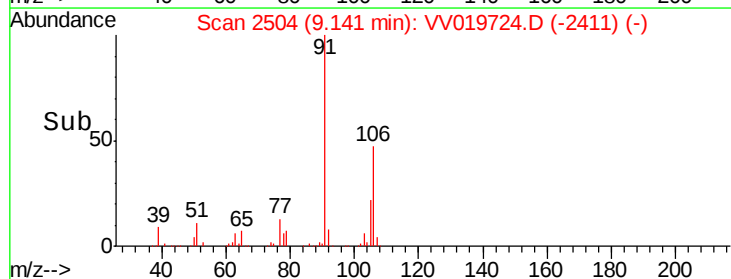
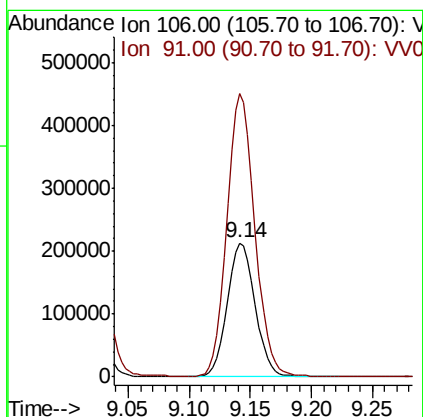
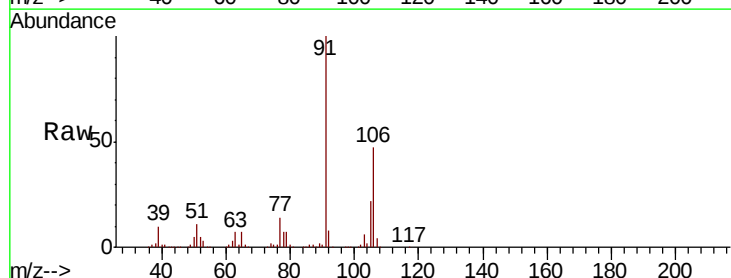
Instrument :
MSVOA_V
ClientSampleId :
BFB69

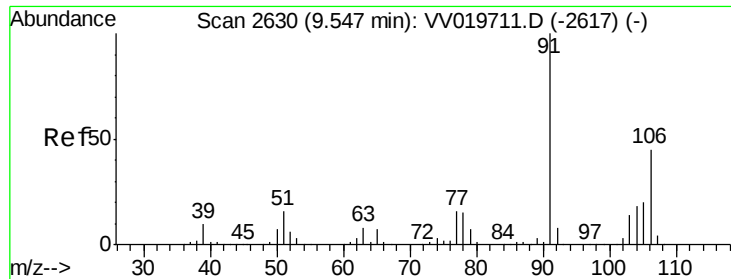
Tot Ion: 91 Resp: 942183
Ion Ratio Lower Upper
91 100
106 29.8 21.1 39.3



#53
m,p-Xylene
Concen: 47.652 ug/L
RT: 9.14 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VV019724.D
Acq: 19 Dec 2020 03:18

Tgt Ion: 106 Resp: 340850
Ion Ratio Lower Upper
106 100
91 211.3 147.7 274.3





#54

o-xylene

Concen: 48.189 ug/L

RT: 9.55 min Scan# 2630

Delta R.T. -0.00 min

Lab File: VV019724.D

Acq: 19 Dec 2020 03:18

Instrument :

MSVOA_V

ClientSampleId :

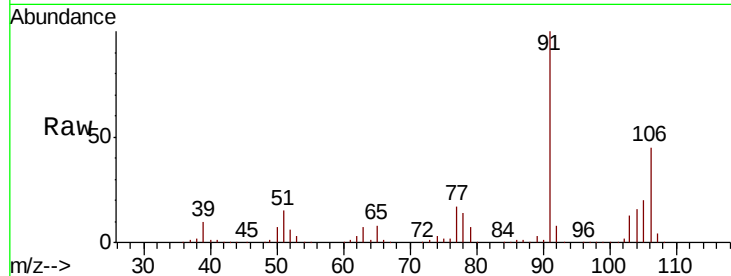
BFB69

Tot Ion:106 Resp: 337855

Ion Ratio Lower Upper

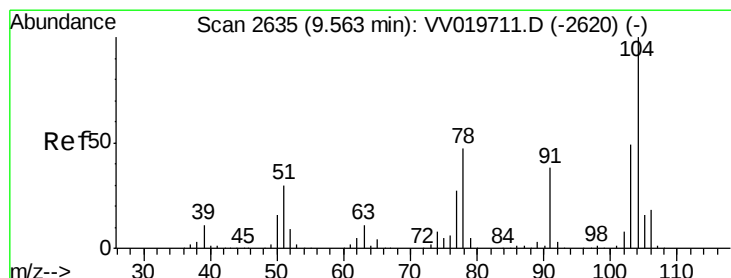
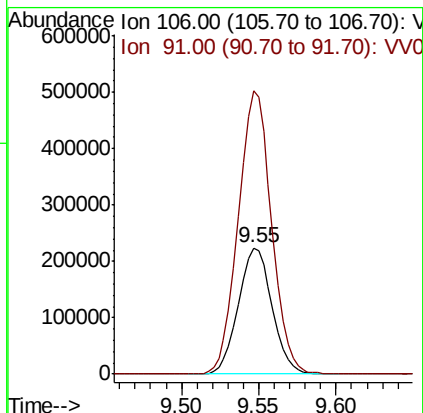
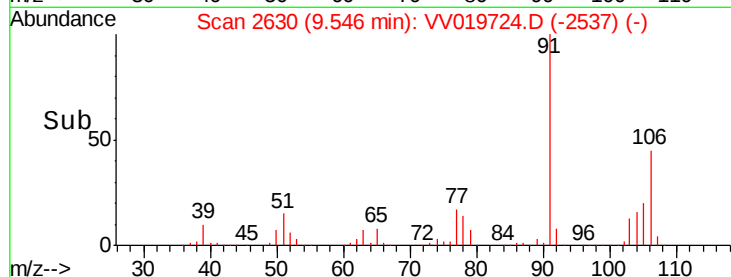
106 100

91 224.5 156.7 291.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 48.374 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV019724.D

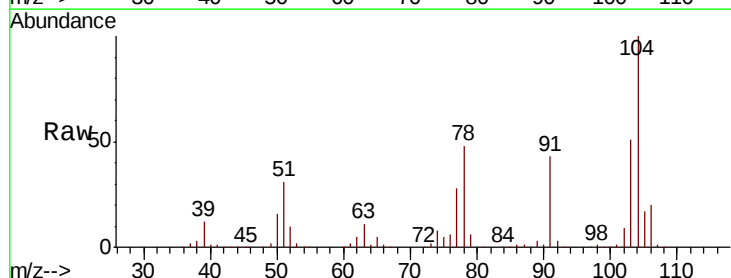
Acq: 19 Dec 2020 03:18

Tgt Ion:104 Resp: 591108

Ion Ratio Lower Upper

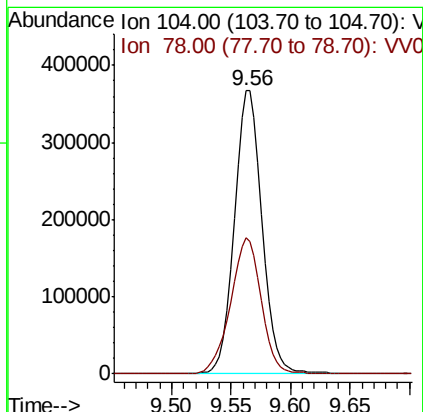
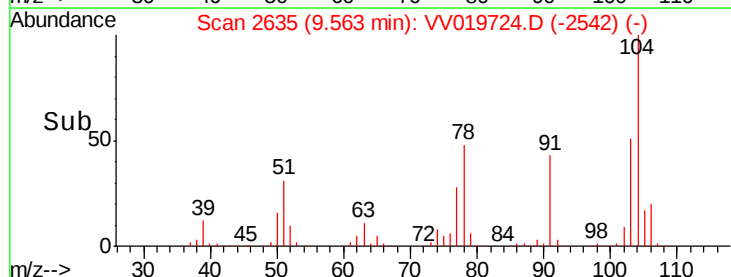
104 100

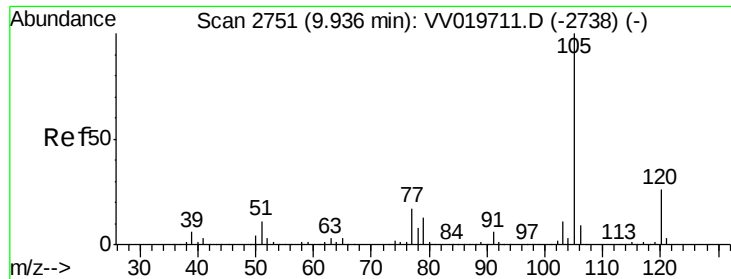
78 48.0 33.7 62.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 49.187 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VV019724.D

Acq: 19 Dec 2020 03:18

Instrument :

MSVOA_V

ClientSampleId :

BFB69

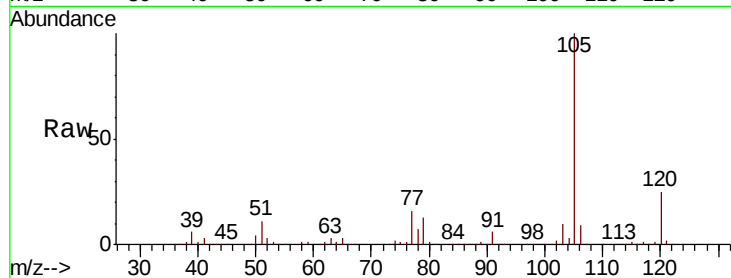
Tot Ion:105 Resp: 918723

Ion Ratio Lower Upper

105 100

120 25.4 20.6 31.0

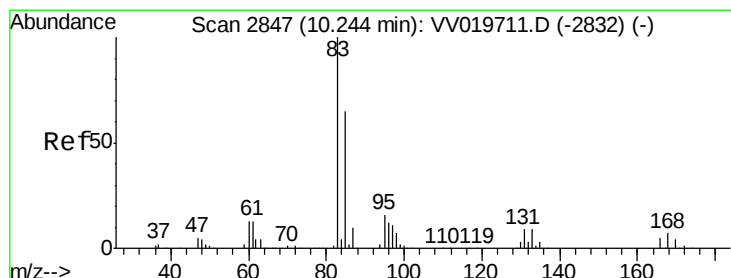
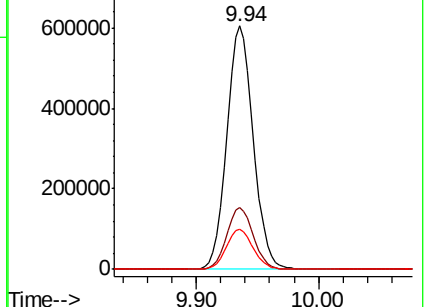
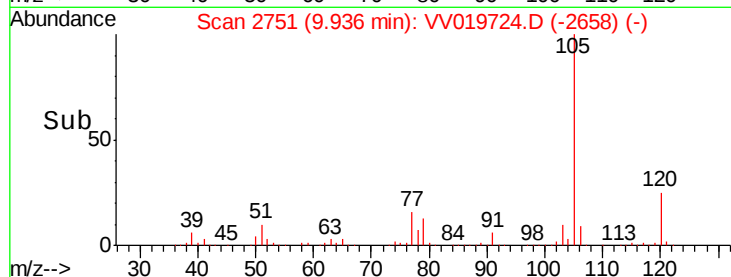
77 16.7 13.2 19.8



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: 49.446 ug/L

RT: 10.25 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VV019724.D

Acq: 19 Dec 2020 03:18

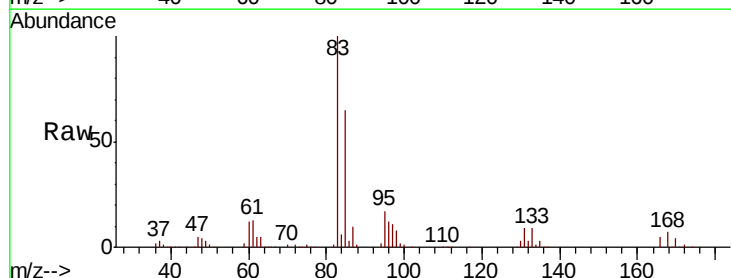
Tgt Ion: 83 Resp: 314414

Ion Ratio Lower Upper

83 100

85 64.5 44.9 83.5

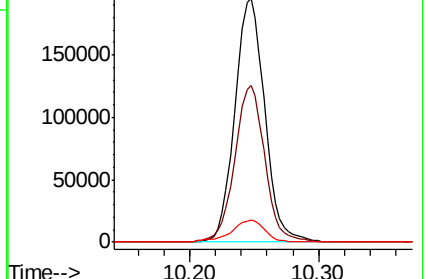
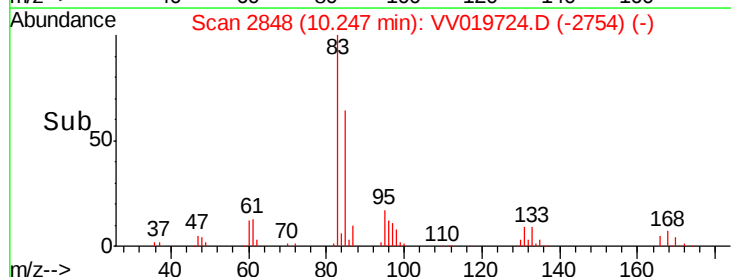
131 9.1 7.6 11.4

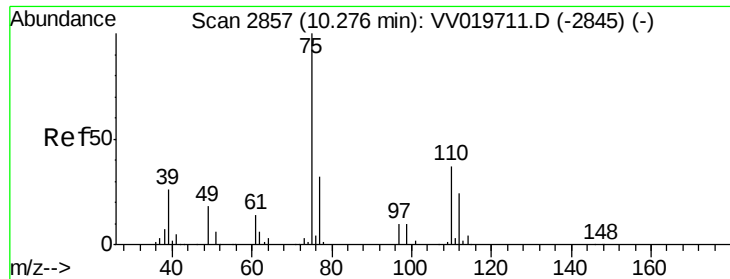


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 51.461 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV019724.D

Acq: 19 Dec 2020 03:18

Instrument :

MSVOA_V

ClientSampleId :

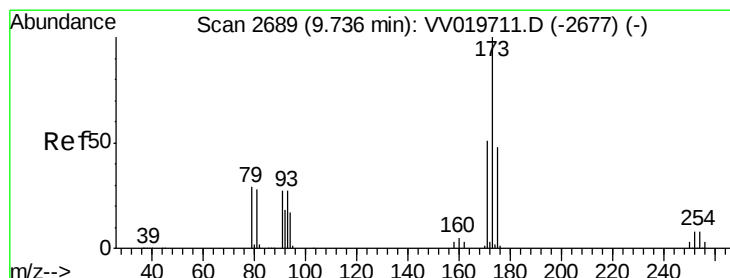
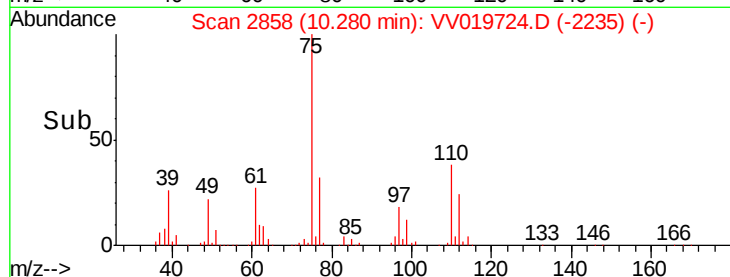
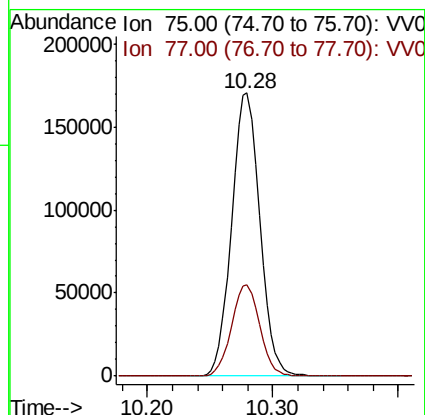
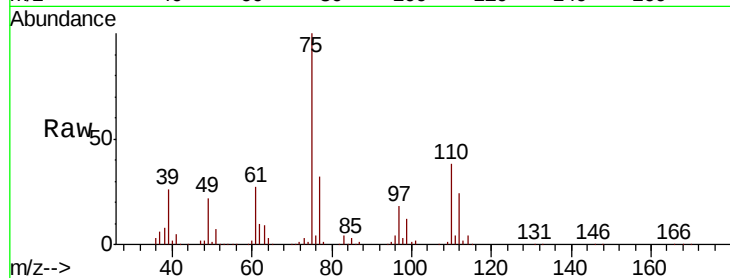
BFB69

Tot Ion: 75 Resp: 266520

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.8



#61

Bromoform

Concen: 42.471 ug/L

RT: 9.74 min Scan# 2689

Delta R.T. -0.00 min

Lab File: VV019724.D

Acq: 19 Dec 2020 03:18

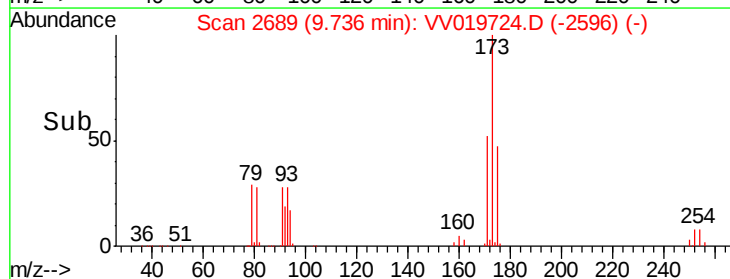
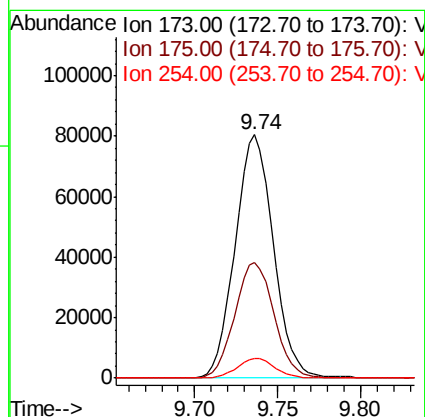
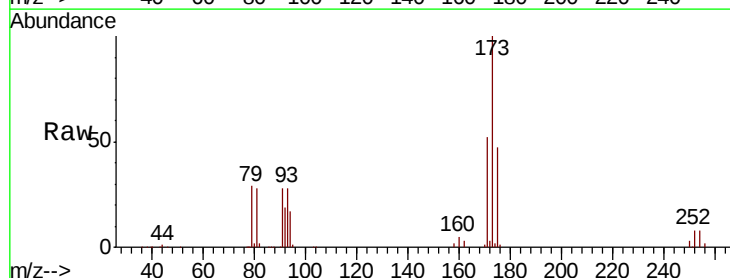
Tgt Ion: 173 Resp: 129143

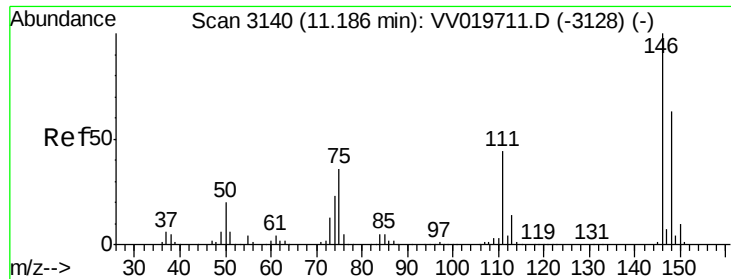
Ion Ratio Lower Upper

173 100

175 48.7 38.4 57.6

254 8.0 6.6 10.0

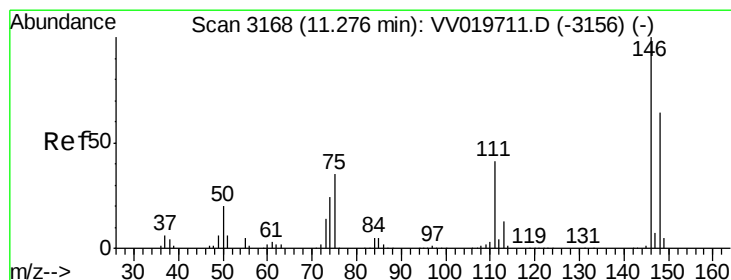
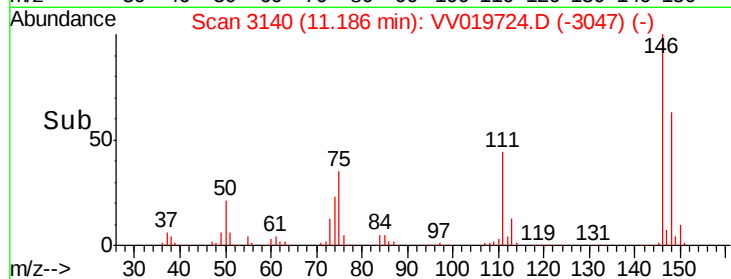
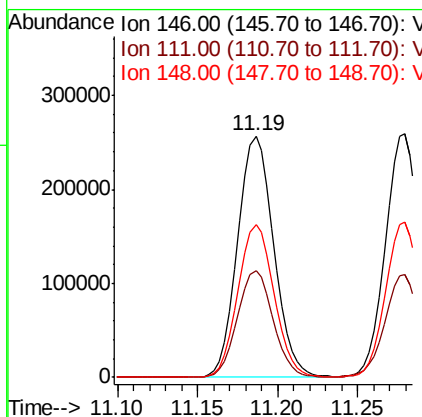
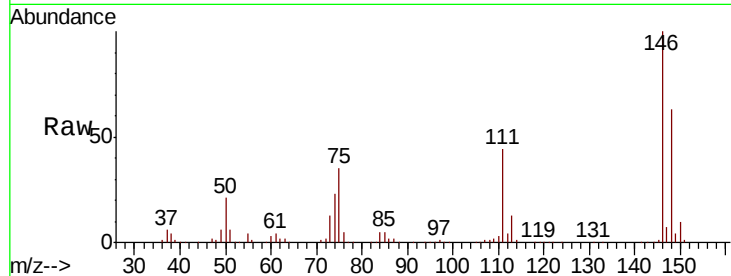




#62
 1,3-Dichlorobenzene
 Concen: 46.866 ug/L
 RT: 11.19 min Scan# 3140
 Delta R.T. -0.00 min
 Lab File: VV019724.D
 Acq: 19 Dec 2020 03:18

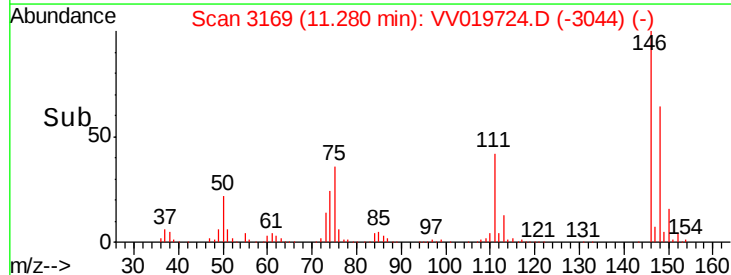
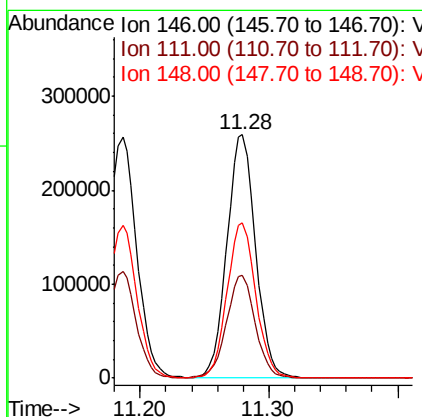
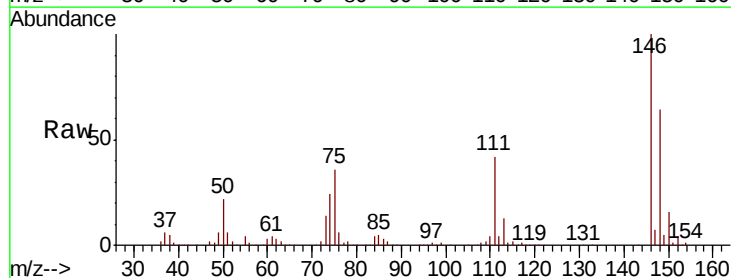
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB69

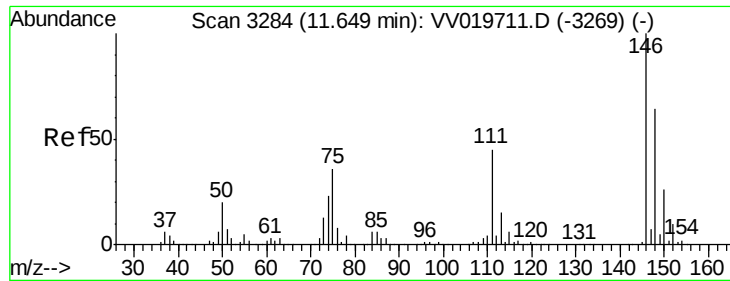
Tot Ion:146 Resp: 395148
 Ion Ratio Lower Upper
 146 100
 111 44.2 30.7 57.1
 148 63.3 45.3 84.1



#63
 1,4-Dichlorobenzene
 Concen: 46.619 ug/L
 RT: 11.28 min Scan# 3169
 Delta R.T. 0.00 min
 Lab File: VV019724.D
 Acq: 19 Dec 2020 03:18

Tgt Ion:146 Resp: 398023
 Ion Ratio Lower Upper
 146 100
 111 42.0 29.8 55.4
 148 63.5 44.2 82.0





#65

1,2-Dichlorobenzene

Concen: 48.085 ug/L

RT: 11.65 min Scan# 3284

Delta R.T. -0.00 min

Lab File: VV019724.D

Acq: 19 Dec 2020 03:18

Instrument :

MSVOA_V

ClientSampleId :

BFB69

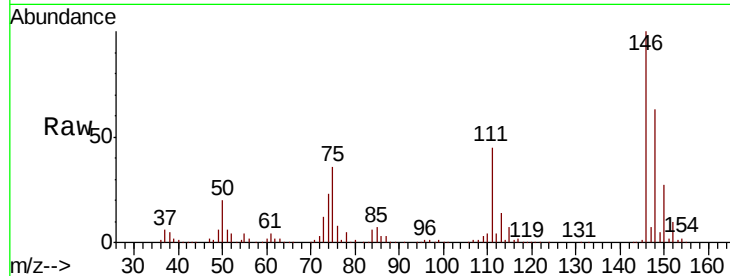
Tot Ion:146 Resp: 400614

Ion Ratio Lower Upper

146 100

111 44.6 36.6 55.0

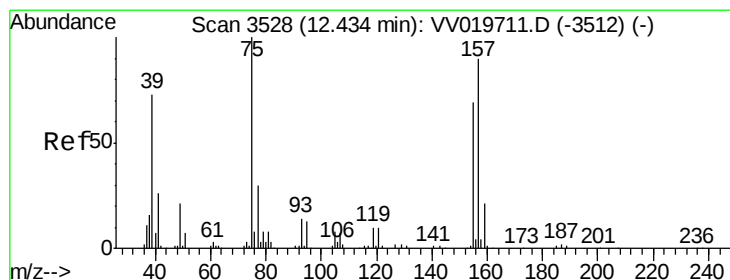
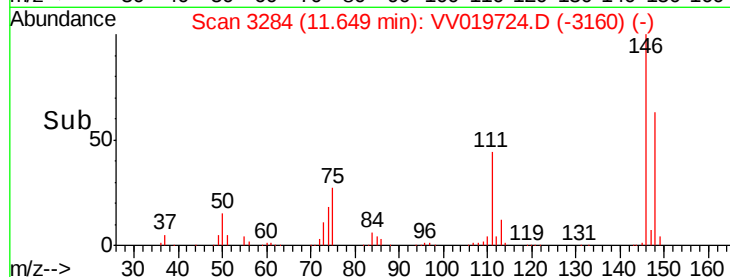
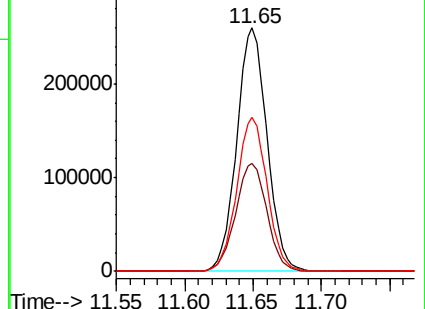
148 63.4 50.7 76.1



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: 44.857 ug/L

RT: 12.43 min Scan# 3528

Delta R.T. -0.00 min

Lab File: VV019724.D

Acq: 19 Dec 2020 03:18

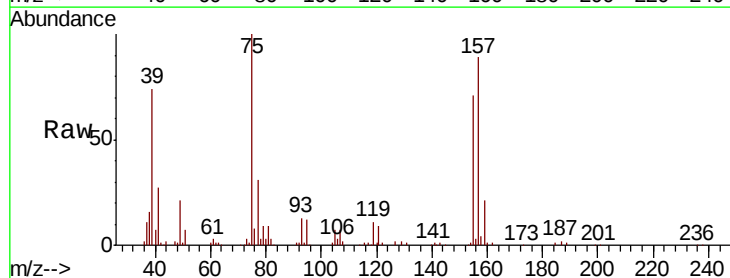
Tgt Ion: 75 Resp: 78011

Ion Ratio Lower Upper

75 100

155 70.9 61.1 91.7

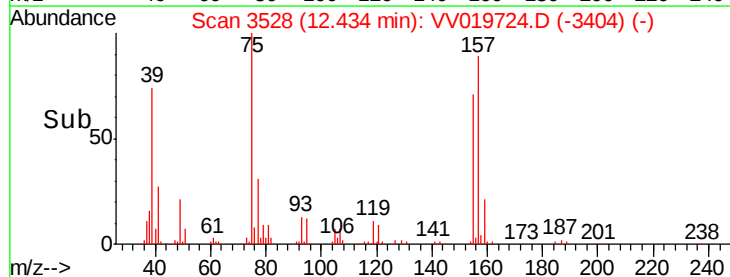
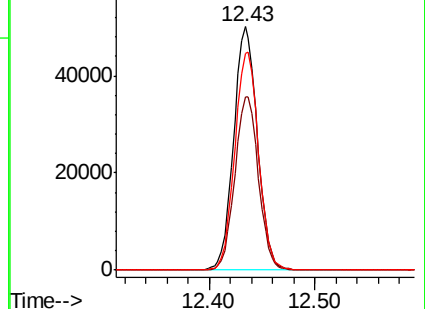
157 89.2 78.7 118.1

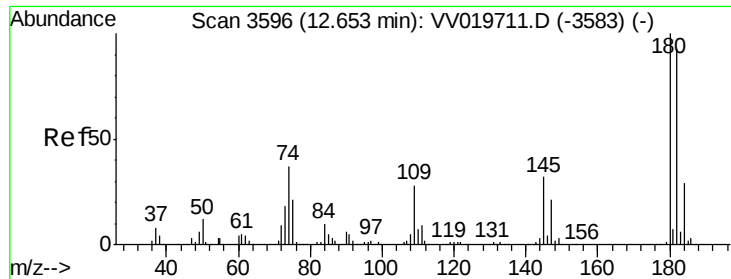


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#67

1,3,5-Trichlorobenzene

Concen: 46.935 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. -0.00 min

Lab File: VV019724.D

Acq: 19 Dec 2020 03:18

Instrument :

MSVOA_V

ClientSampled :

BFB69

Tot Ion:180 Resp: 279592

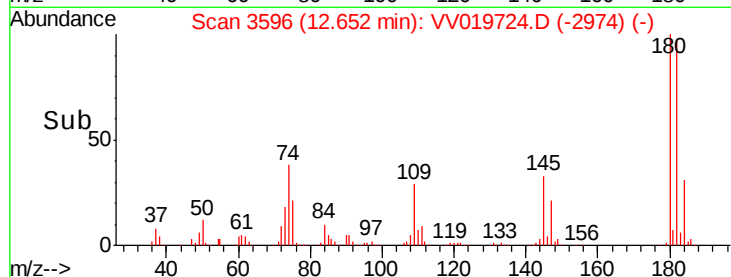
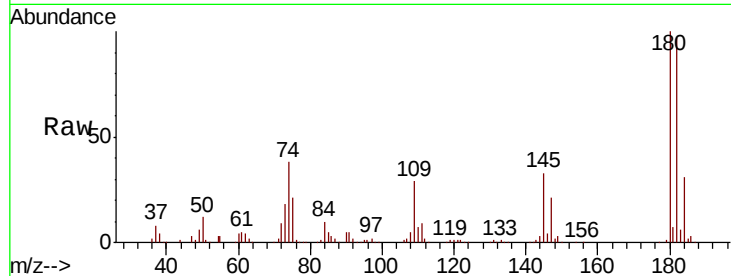
Ion Ratio Lower Upper

180 100

182 95.7 75.8 113.6

184 30.1 23.9 35.9

145 33.3 26.2 39.2

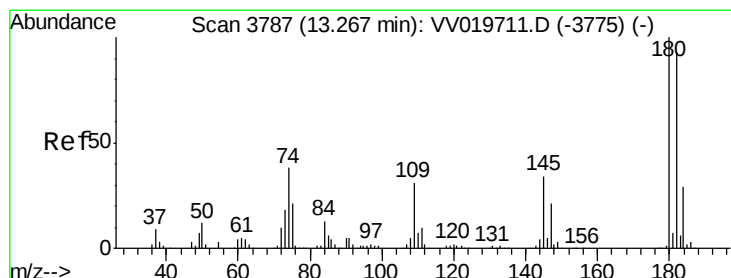
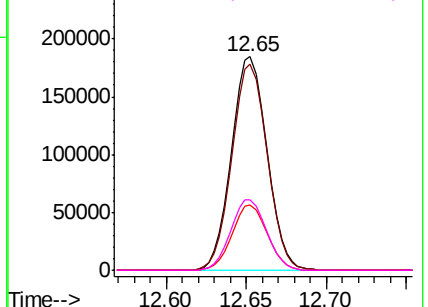


Abundance Ion 180.00 (179.70 to 180.70): V

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: 46.671 ug/L

RT: 13.27 min Scan# 3787

Delta R.T. -0.00 min

Lab File: VV019724.D

Acq: 19 Dec 2020 03:18

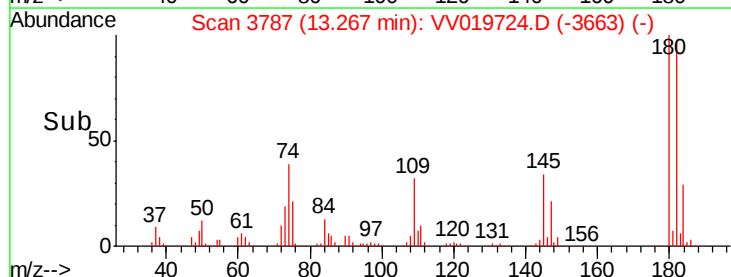
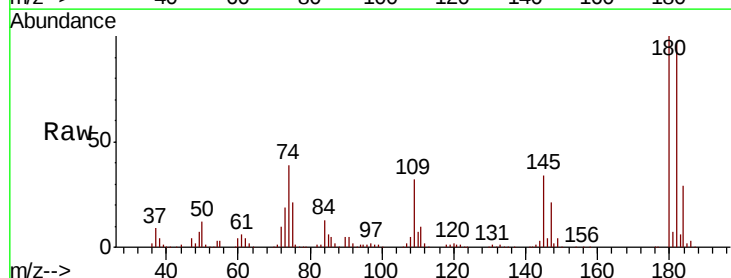
Tgt Ion:180 Resp: 259950

Ion Ratio Lower Upper

180 100

182 96.0 76.5 114.7

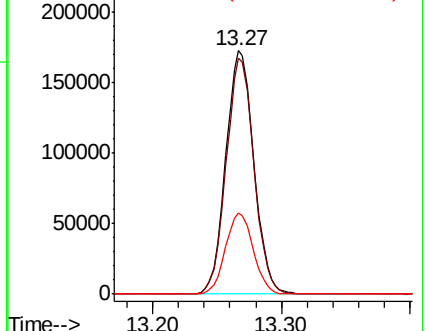
145 33.1 27.0 40.6

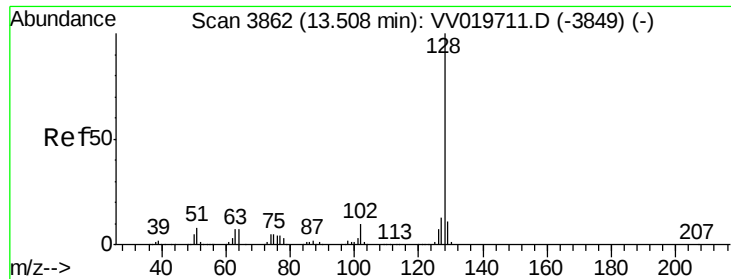


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 46.946 ug/L

RT: 13.51 min Scan# 3862

Delta R.T. -0.00 min

Lab File: VV019724.D

Acq: 19 Dec 2020 03:18

Instrument :

MSVOA_V

ClientSampleId :

BFB69

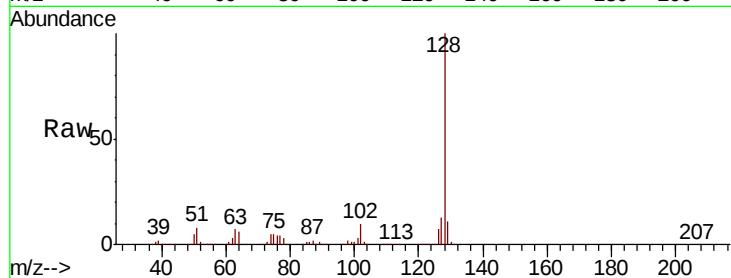
Tot Ion:128 Resp: 907937

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

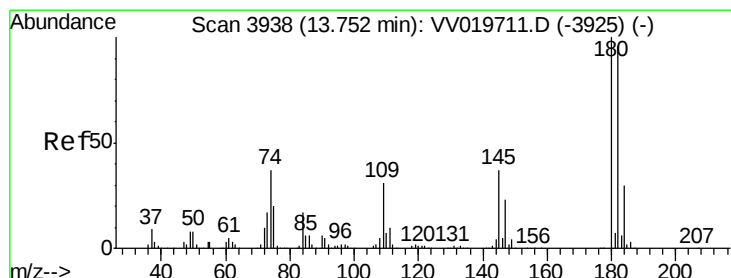
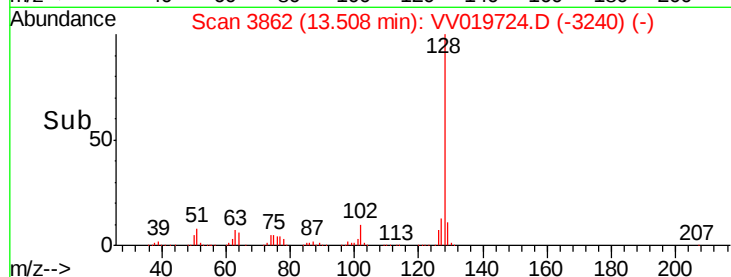
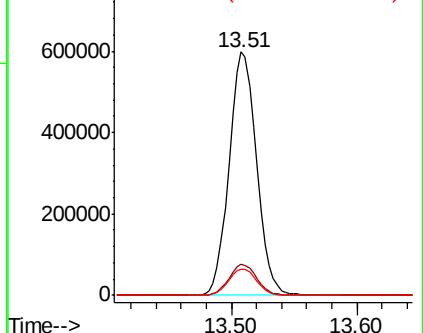
129 11.0 8.6 12.8



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: 48.206 ug/L

RT: 13.75 min Scan# 3937

Delta R.T. -0.00 min

Lab File: VV019724.D

Acq: 19 Dec 2020 03:18

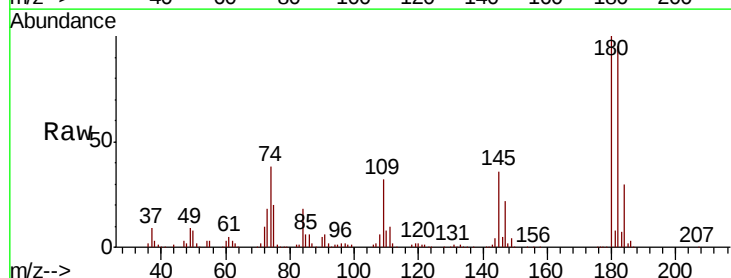
Tgt Ion:180 Resp: 262391

Ion Ratio Lower Upper

180 100

182 94.4 75.8 113.6

145 35.3 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

