

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102720\
 Data File : VV019126.D
 Acq On : 27 Oct 2020 10:40
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 28 01:10:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 27 15:10:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	284164	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	272426	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	152471	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	107922	41.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.62%
7) Chloroethane-d5	1.58	69	86188	41.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.96%
11) 1,1-Dichloroethene-d2	2.12	63	213404	44.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.28%
21) 2-Butanone-d5	3.90	46	146765	84.53	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.53%
24) Chloroform-d	4.37	84	204969	45.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.80%
26) 1,2-Dichloroethane-d4	5.05	65	138811	45.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.46%
32) Benzene-d6	5.07	84	390991	46.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.84%
36) 1,2-Dichloropropane-d6	6.09	67	118718	43.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.96%
41) Toluene-d8	7.33	98	362195	48.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.20%
43) trans-1,3-Dichloropropene-	7.64	79	66277	47.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.82%
47) 2-Hexanone-d5	8.10	63	105347	89.76	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.76%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	158510	44.12	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.24%
64) 1,2-Dichlorobenzene-d4	11.65	152	146142	45.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	106487	48.110	ug/L 99
3) Chloromethane	1.25	50	110981	40.317	ug/L 100
5) Vinyl chloride	1.32	62	116010	42.780	ug/L 99
6) Bromomethane	1.53	94	71602	46.146	ug/L 98
8) Chloroethane	1.60	64	72495	42.629	ug/L 100
9) Trichlorofluoromethane	1.76	101	178315	49.991	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	92907	48.976	ug/L 97
12) 1,1-Dichloroethene	2.13	96	86789	45.728	ug/L 96
13) Acetone	2.19	43	145228	123.419	ug/L 98
14) Carbon disulfide	2.31	76	282146	45.089	ug/L 100
15) Methyl Acetate	2.44	43	108137	43.731	ug/L 100
16) Methylene chloride	2.52	84	99708	45.072	ug/L 97
17) trans-1,2-Dichloroethene	2.78	96	94415	47.074	ug/L 95
18) Methyl tert-butyl Ether	2.78	73	312134	47.992	ug/L 98
19) 1,1-Dichloroethane	3.21	63	185161	45.725	ug/L 98
20) cis-1,2-Dichloroethene	3.93	96	101783	47.459	ug/L 96
22) 2-Butanone	3.99	43	163931	101.625	ug/L 94

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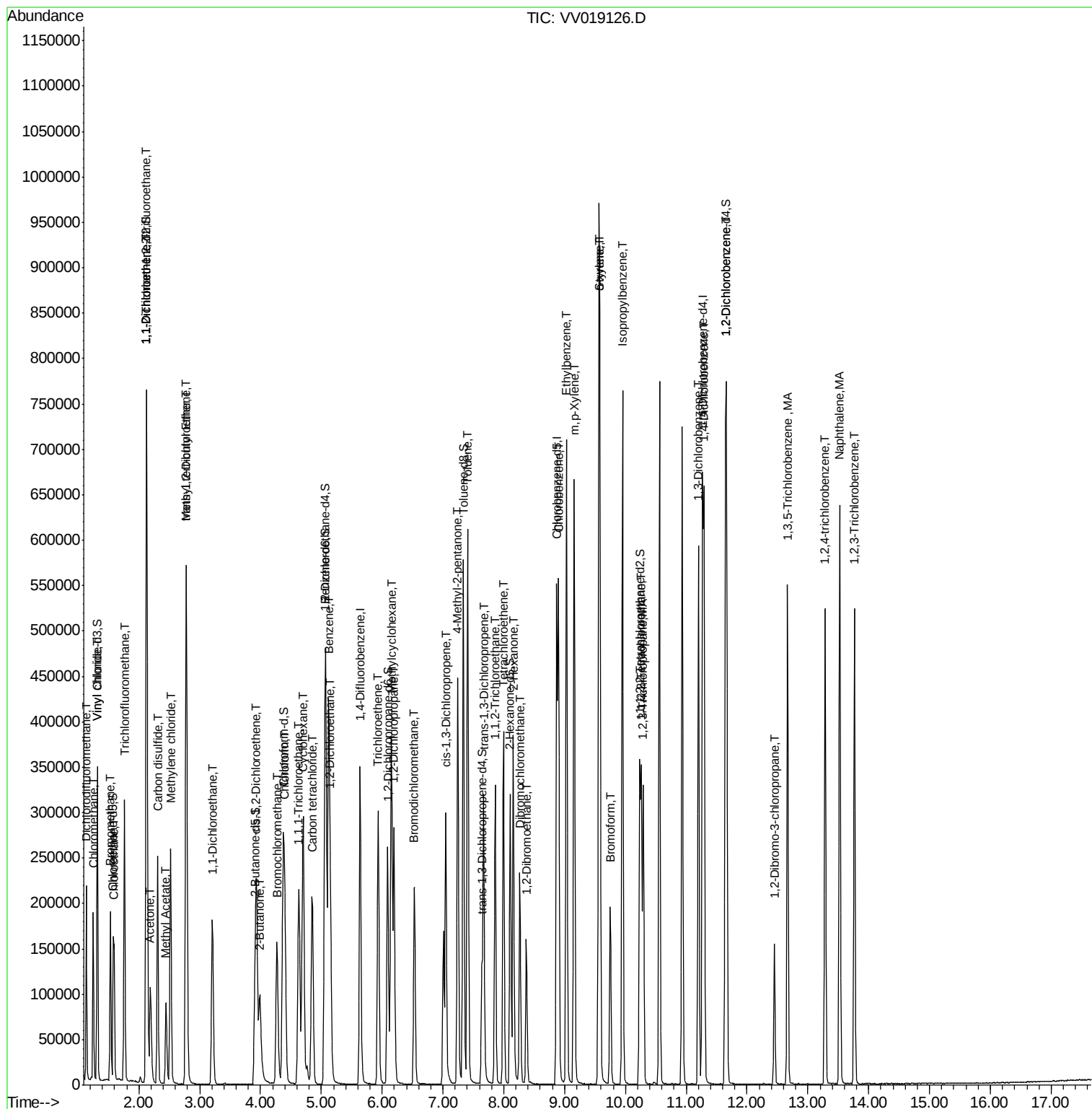
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	53090	48.629	uq/L	93
25) Chloroform	4.40	83	189405	47.480	uq/L	99
27) 1,2-Dichloroethane	5.15	62	160301	48.420	uq/L	100
29) Cyclohexane	4.70	56	159593	48.942	uq/L	95
30) 1,1,1-Trichloroethane	4.63	97	173452	51.137	uq/L	97
31) Carbon tetrachloride	4.85	117	153164	51.798	uq/L	100
33) Benzene	5.12	78	397913	47.712	uq/L	100
34) Trichloroethene	5.94	95	105001	49.824	uq/L	98
35) Methylcyclohexane	6.15	83	147535	51.166	uq/L	98
37) 1,2-Dichloropropane	6.19	63	102282	44.549	uq/L	100
38) Bromodichloromethane	6.53	83	143044	49.239	uq/L	100
39) cis-1,3-Dichloropropene	7.04	75	162054	47.759	uq/L	100
40) 4-Methyl-2-pentanone	7.24	43	290933	93.925	uq/L	98
42) Toluene	7.41	91	430305	50.267	uq/L	99
44) trans-1,3-Dichloropropene	7.67	75	170688	50.705	uq/L	99
45) 1,1,2-Trichloroethane	7.86	97	96273	47.476	uq/L	98
46) Tetrachloroethene	7.99	164	85501	52.868	uq/L	100
48) 2-Hexanone	8.15	43	241556	101.061	uq/L	99
49) Dibromochloromethane	8.26	129	112635	50.817	uq/L	100
50) 1,2-Dibromoethane	8.37	107	101498	48.232	uq/L	99
51) Chlorobenzene	8.90	112	274557	50.007	uq/L	100
52) Ethylbenzene	9.03	91	475756	51.395	uq/L	99
53) m,p-Xylene	9.16	106	178185	52.582	uq/L	95
54) o-xylene	9.56	106	172836	52.972	uq/L	99
55) Styrene	9.58	104	307521	53.134	uq/L	99
56) Isopropylbenzene	9.95	105	459050	53.507	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	149970	44.946	uq/L	99
59) 1,2,3-Trichloropropane	10.29	75	125796	46.858	uq/L	100
61) Bromoform	9.75	173	84571	49.253	uq/L	97
62) 1,3-Dichlorobenzene	11.20	146	226336	49.467	uq/L	99
63) 1,4-Dichlorobenzene	11.29	146	233887	48.919	uq/L	98
65) 1,2-Dichlorobenzene	11.66	146	222385	48.205	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	37740	46.304	uq/L	94
67) 1,3,5-Trichlorobenzene	12.67	180	161459	51.677	uq/L	99
68) 1,2,4-trichlorobenzene	13.28	180	153068	51.955	uq/L	99
69) Naphthalene	13.52	128	461150	50.801	uq/L	100
70) 1,2,3-Trichlorobenzene	13.76	180	152253	51.004	uq/L	100

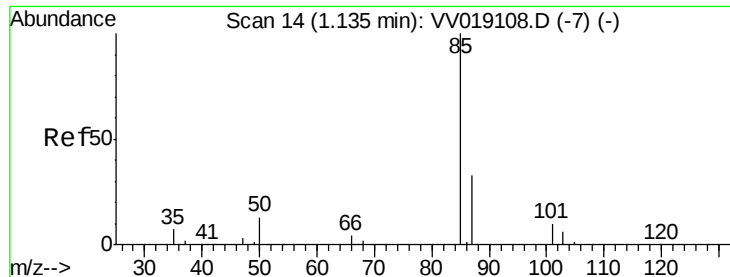
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 48.110 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV019126.D

Acq: 27 Oct 2020 10:40

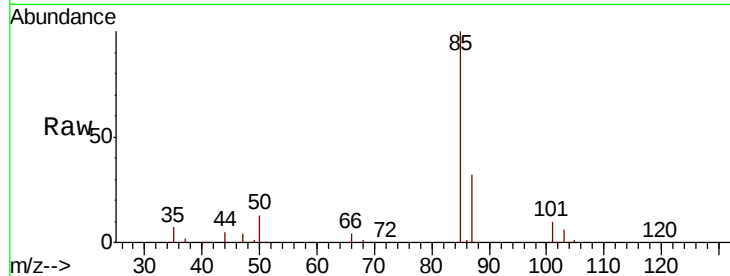
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 106487

Ion Ratio Lower Upper

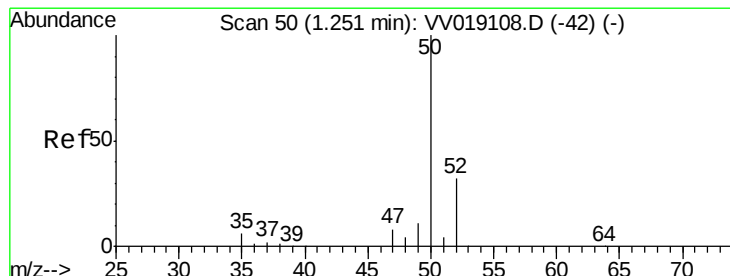
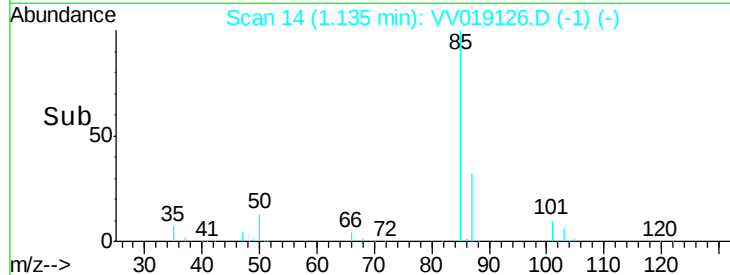
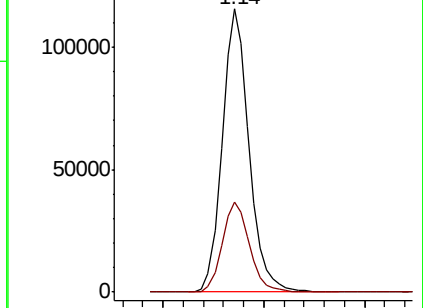
85 100

87 32.5 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV019126.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV019126.D (-1) (-)



#3

Chloromethane

Concen: 40.317 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV019126.D

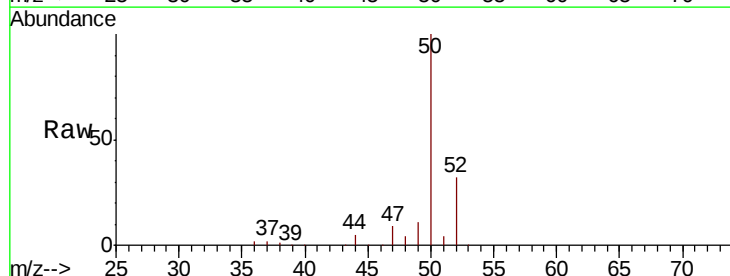
Acq: 27 Oct 2020 10:40

Tgt Ion: 50 Resp: 110981

Ion Ratio Lower Upper

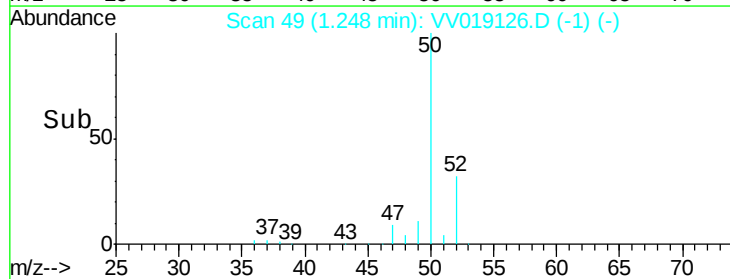
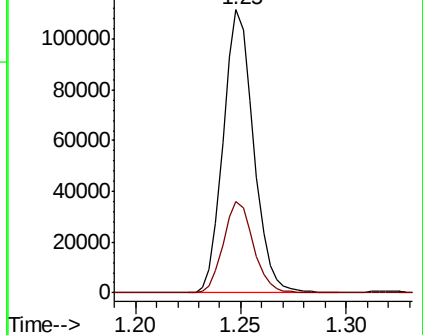
50 100

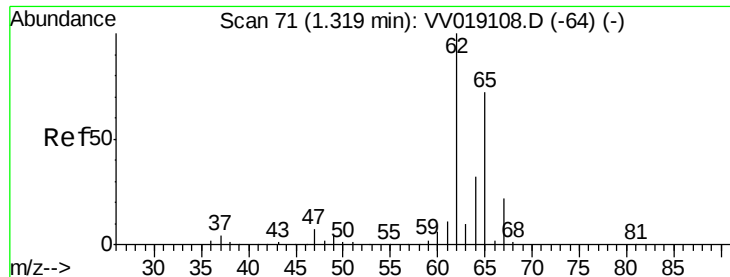
52 32.2 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV019126.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV019126.D (-1) (-)





#5

Vinyl chloride

Concen: 42.780 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV019126.D

Acq: 27 Oct 2020 10:40

Instrument :

MSVOA_V

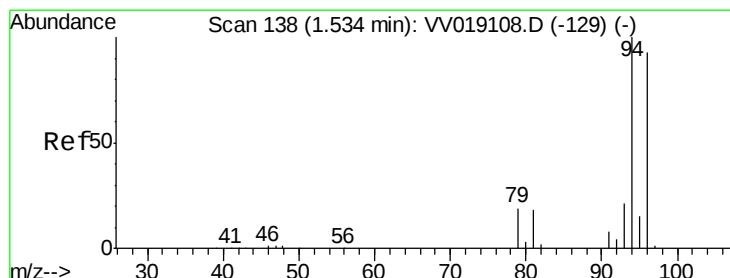
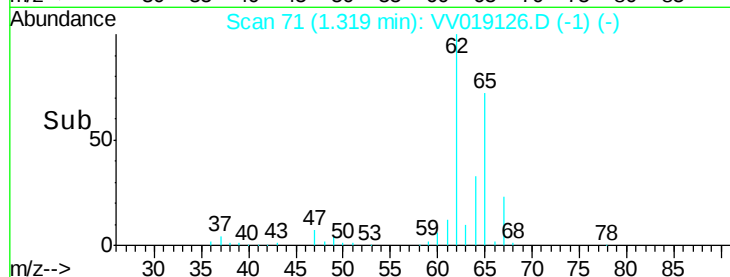
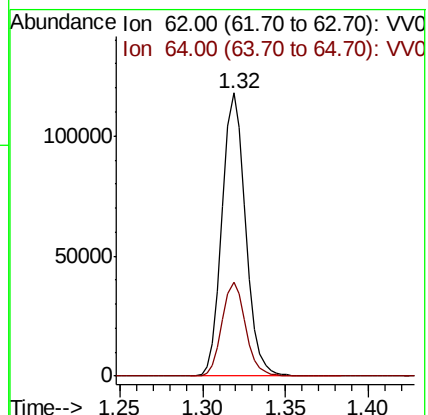
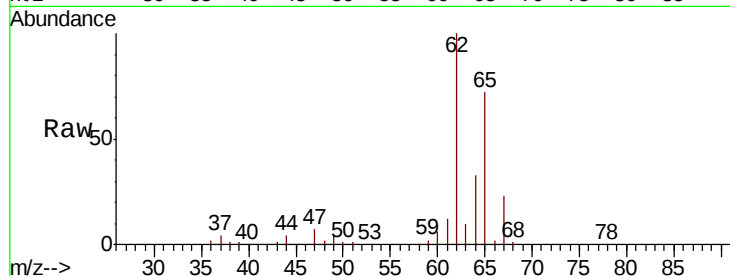
ClientSampled :

Tot Ion: 62 Resp: 116010

Ion Ratio Lower Upper

62 100

64 33.1 22.9 42.5



#6

Bromomethane

Concen: 46.146 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV019126.D

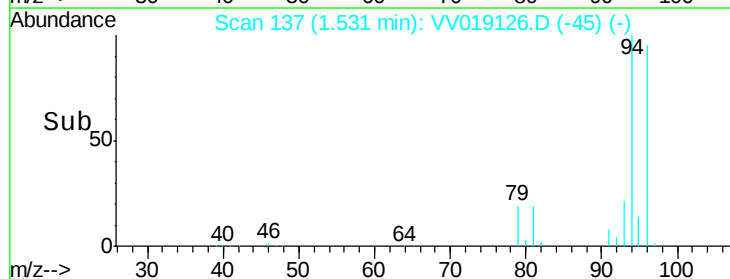
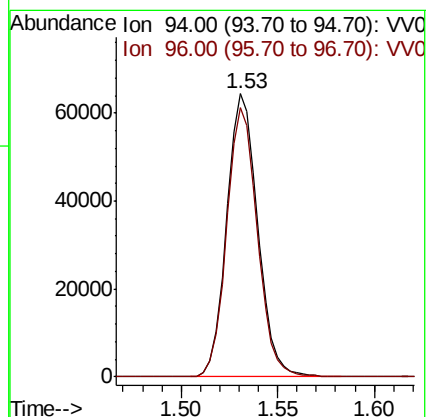
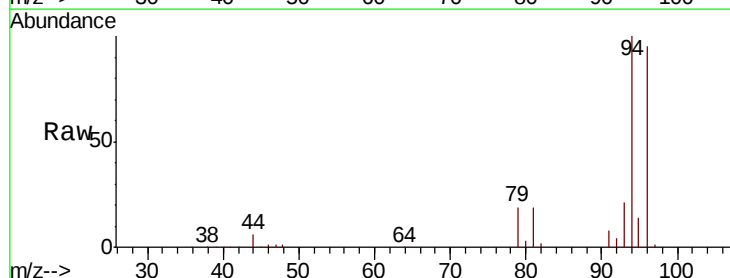
Acq: 27 Oct 2020 10:40

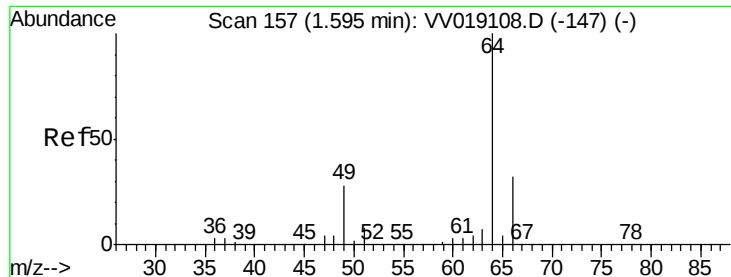
Tgt Ion: 94 Resp: 71602

Ion Ratio Lower Upper

94 100

96 95.0 65.3 121.3

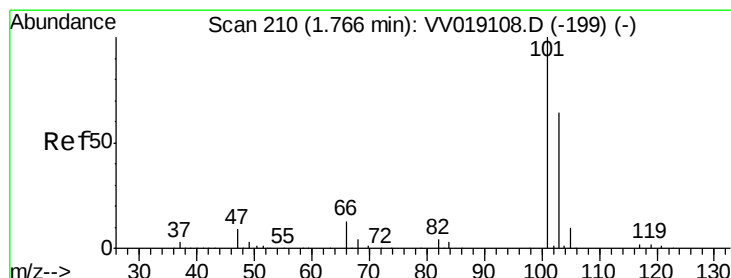
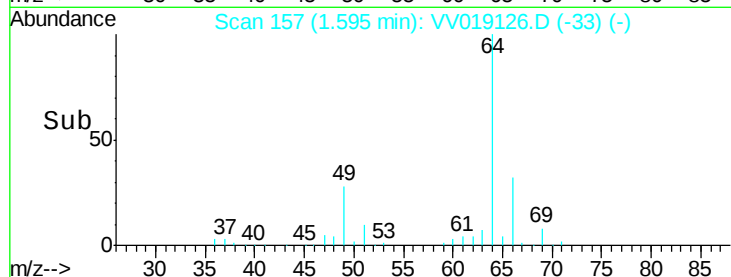
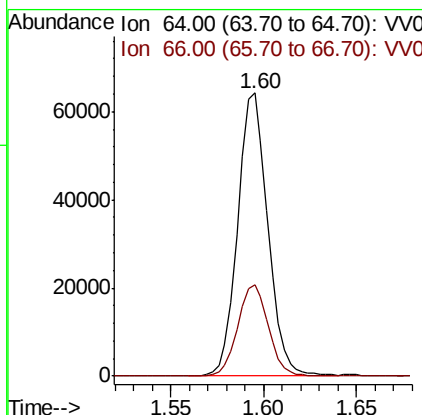
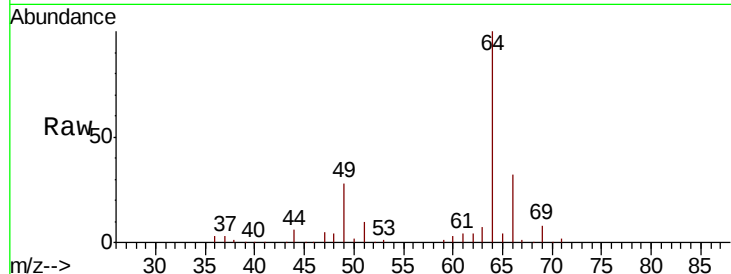




#8
 Chloroethane
 Concen: 42.629 ug/L
 RT: 1.60 min Scan# 157
 Delta R.T. -0.00 min
 Lab File: VV019126.D
 Acq: 27 Oct 2020 10:40

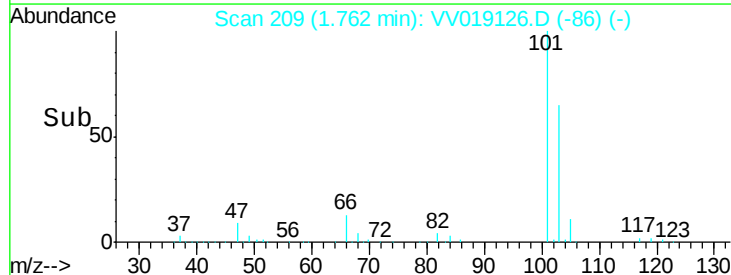
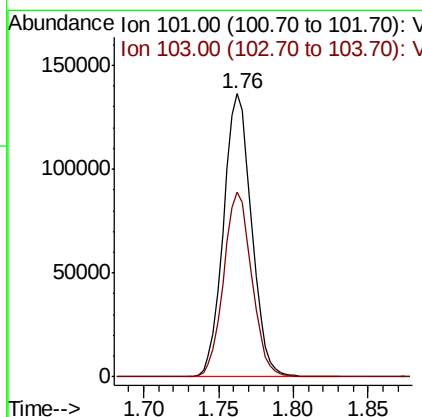
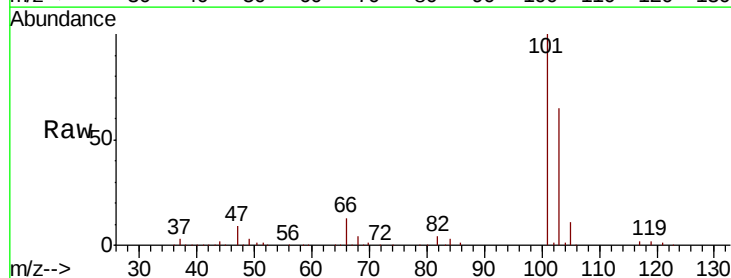
Instrument :
 MSVOA_V
 ClientSampleId :

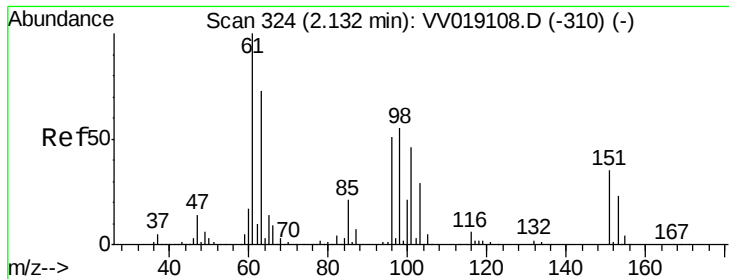
Tot Ion: 64 Resp: 72495
 Ion Ratio Lower Upper
 64 100
 66 32.5 22.5 41.9



#9
 Trichlorofluoromethane
 Concen: 49.991 ug/L
 RT: 1.76 min Scan# 209
 Delta R.T. -0.00 min
 Lab File: VV019126.D
 Acq: 27 Oct 2020 10:40

Tgt Ion:101 Resp: 178315
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.7 77.5





#10

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

Concen: 48.976 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019126.D

Acq: 27 Oct 2020 10:40

Instrument :

MSVOA_V

ClientSampleId :

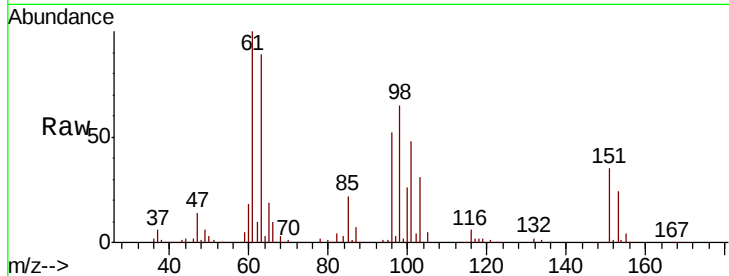
Tot Ion:101 Resp: 92907

Ion Ratio Lower Upper

101 100

85 44.8 36.9 55.3

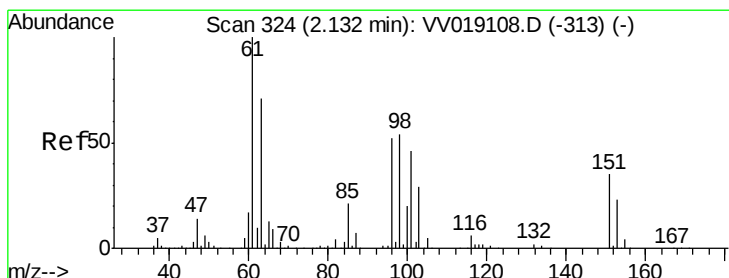
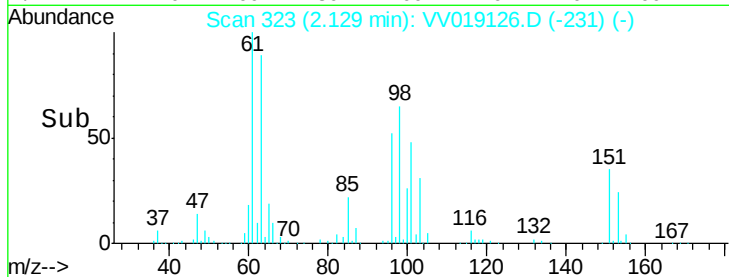
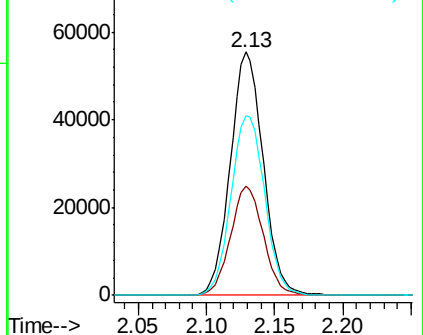
151 75.7 58.2 87.2



Abundance Ion 101.00 (100.70 to 101.70): VV019108.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV019108.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV019108.D (-310) (-)



#12

1,1-Dichloroethene

Concen: 45.728 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019126.D

Acq: 27 Oct 2020 10:40

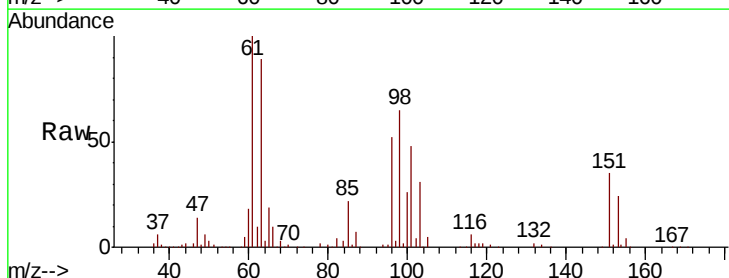
Tgt Ion: 96 Resp: 86789

Ion Ratio Lower Upper

96 100

61 193.5 138.7 257.7

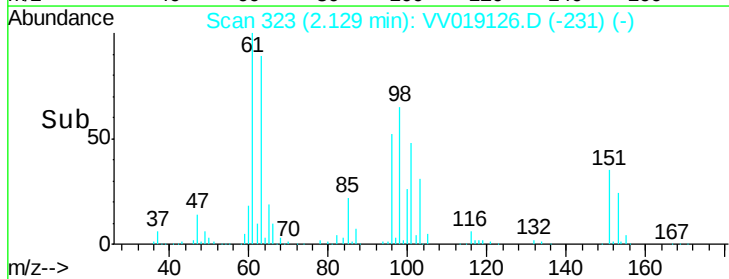
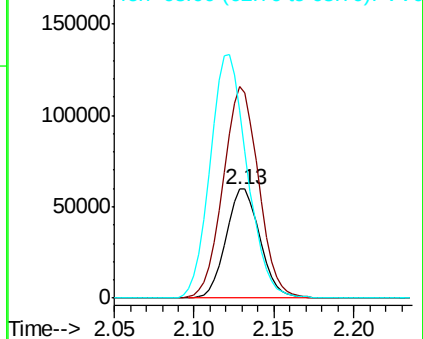
63 172.0 126.3 234.6

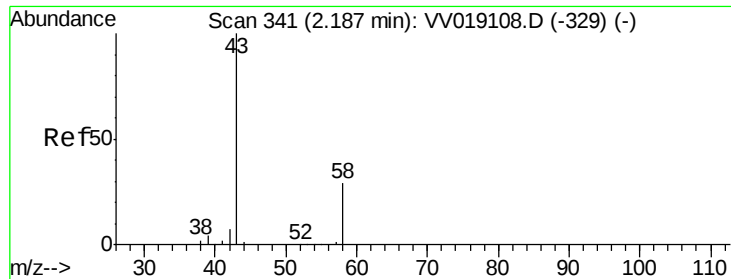


Abundance Ion 96.00 (95.70 to 96.70): VV019108.D (-313) (-)

Ion 61.00 (60.70 to 61.70): VV019108.D (-313) (-)

Ion 63.00 (62.70 to 63.70): VV019108.D (-313) (-)





#13

Acetone

Concen: 123.419 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV019126.D

Acq: 27 Oct 2020 10:40

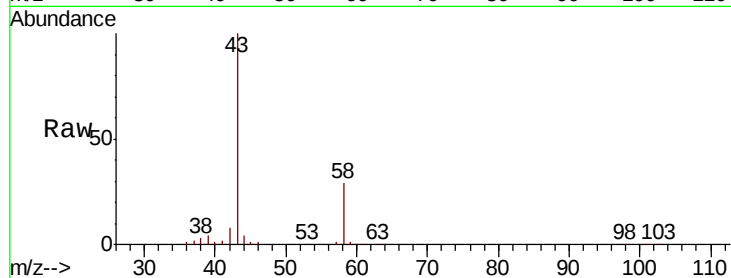
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 145228

Ion Ratio Lower Upper

43 100

58 28.9 0.0 60.2

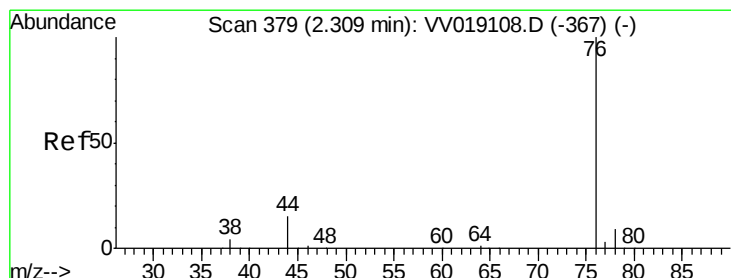
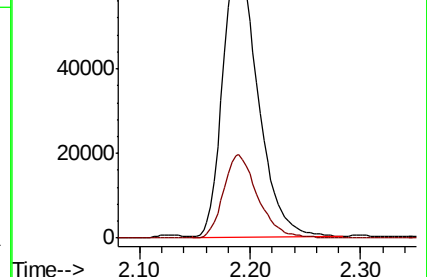
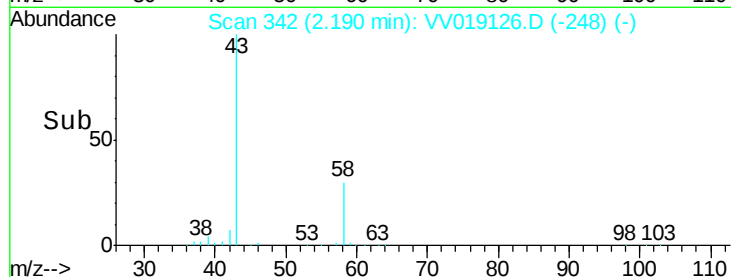


Abundance Ion 43.00 (42.70 to 43.70): VV019108.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV019108.D (-329) (-)

2.19

2.10 2.20 2.30



#14

Carbon disulfide

Concen: 45.089 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV019126.D

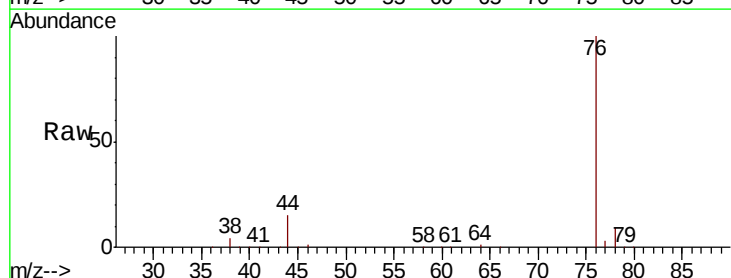
Acq: 27 Oct 2020 10:40

Tgt Ion: 76 Resp: 282146

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

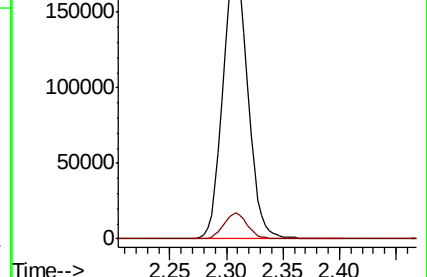
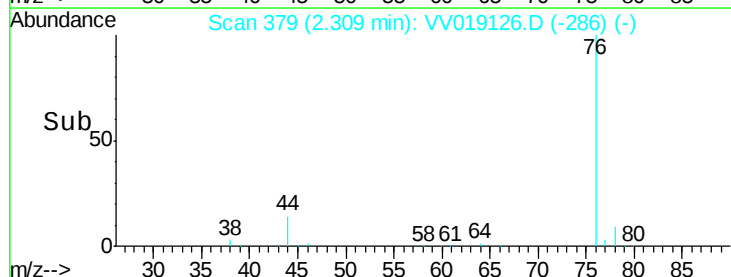


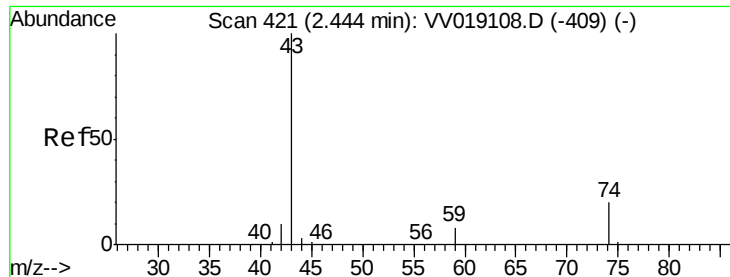
Abundance Ion 76.00 (75.70 to 76.70): VV019108.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV019108.D (-367) (-)

2.31

2.25 2.30 2.35 2.40





#15

Methvl Acetate

Concen: 43.731 ug/L

RT: 2.44 min Scan# 421

Delta R.T. -0.00 min

Lab File: VV019126.D

Acq: 27 Oct 2020 10:40

Instrument :

MSVOA_V

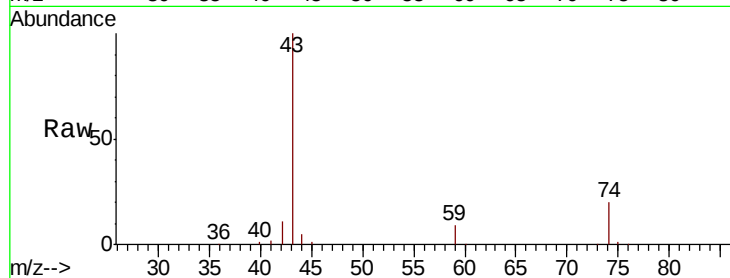
ClientSampleId :

Tot Ion: 43 Resp: 108137

Ion Ratio Lower Upper

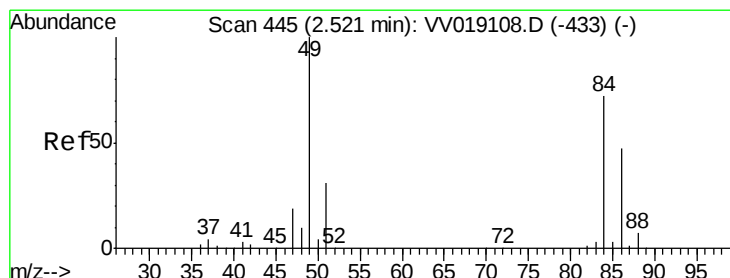
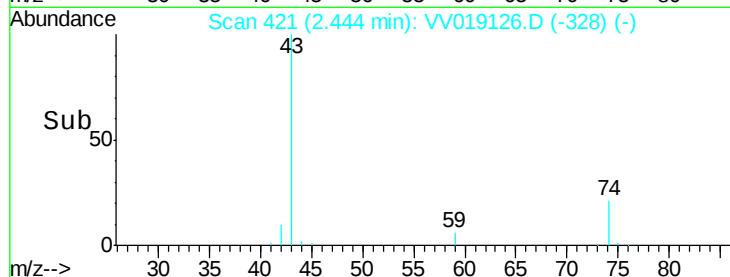
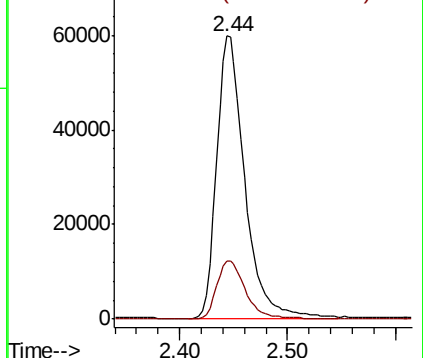
43 100

74 20.6 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 45.072 ug/L

RT: 2.52 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV019126.D

Acq: 27 Oct 2020 10:40

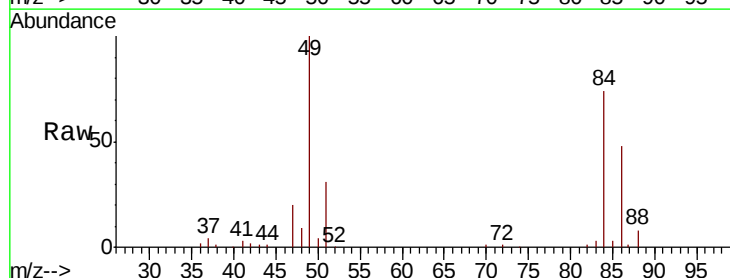
Tgt Ion: 84 Resp: 99708

Ion Ratio Lower Upper

84 100

86 64.6 44.2 82.2

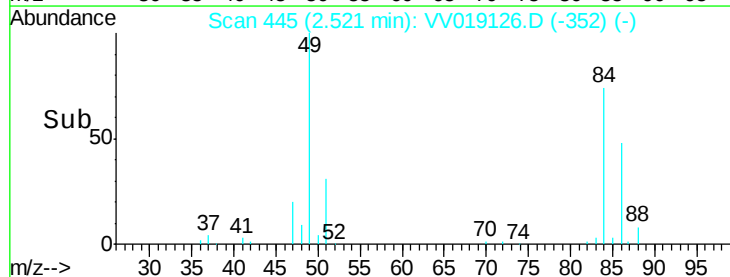
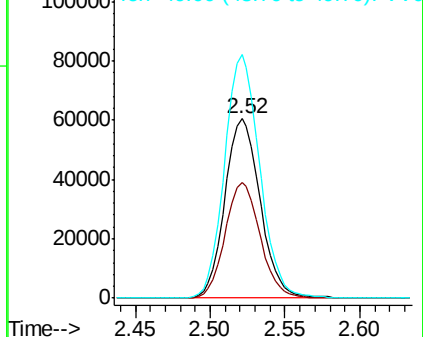
49 135.6 98.0 182.0

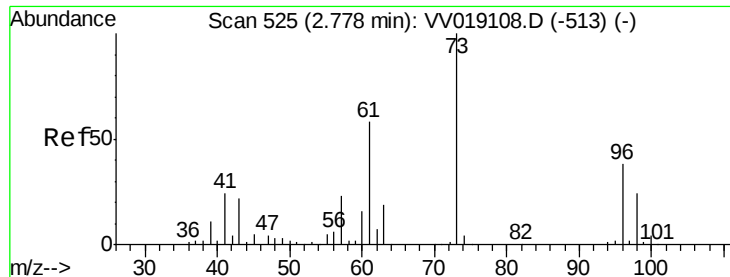


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 47.074 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV019126.D

Acq: 27 Oct 2020 10:40

Instrument :
MSVOA_V
ClientSampled :

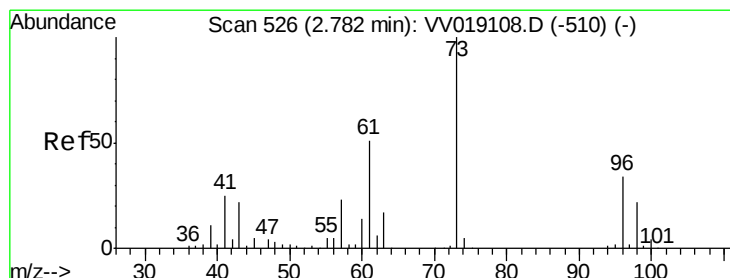
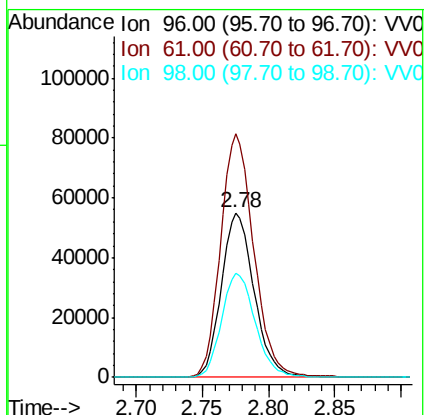
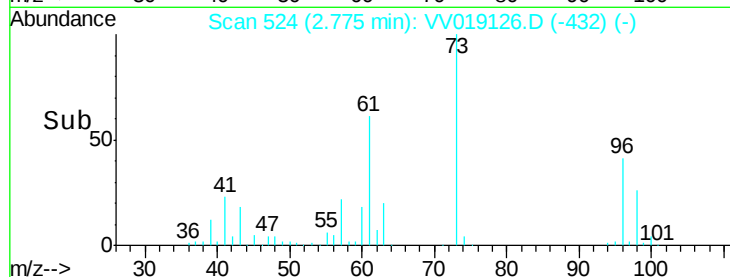
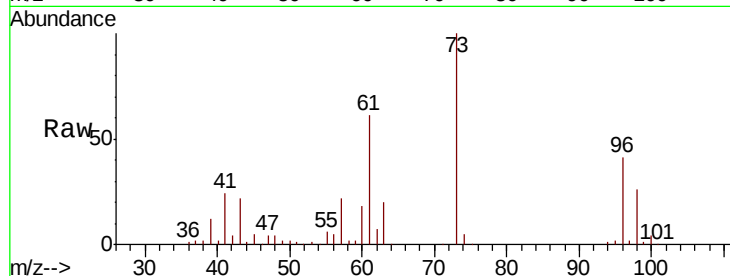
Tot Ion: 96 Resp: 94415

Ion Ratio Lower Upper

96 100

61 147.9 108.6 201.8

98 63.1 45.7 84.9



#18

Methyl tert-butyl Ether

Concen: 47.992 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV019126.D

Acq: 27 Oct 2020 10:40

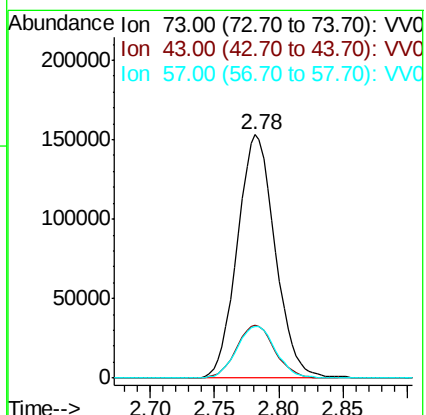
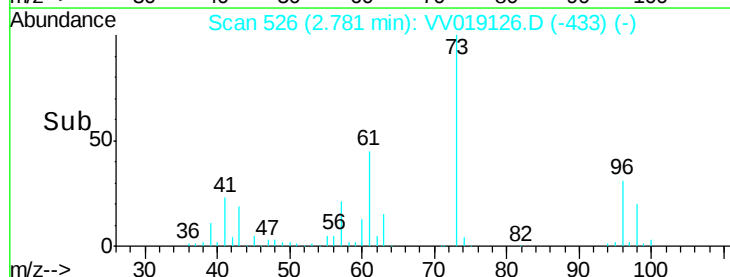
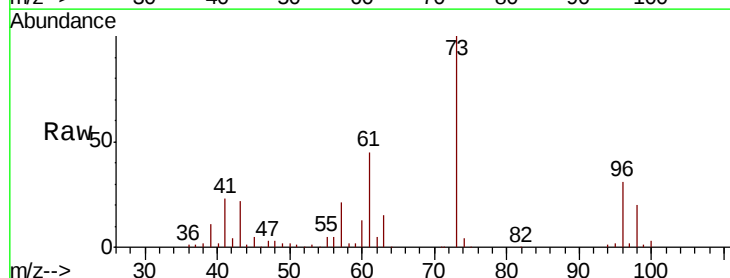
Tgt Ion: 73 Resp: 312134

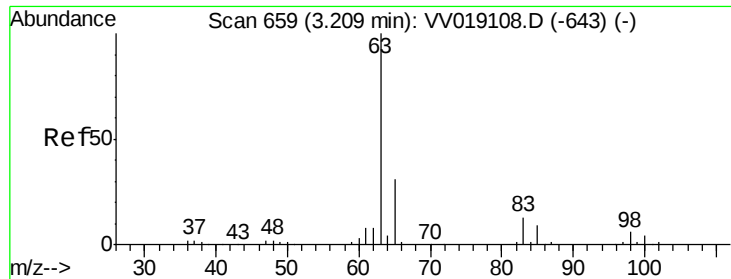
Ion Ratio Lower Upper

73 100

43 22.0 17.2 25.8

57 22.1 18.5 27.7

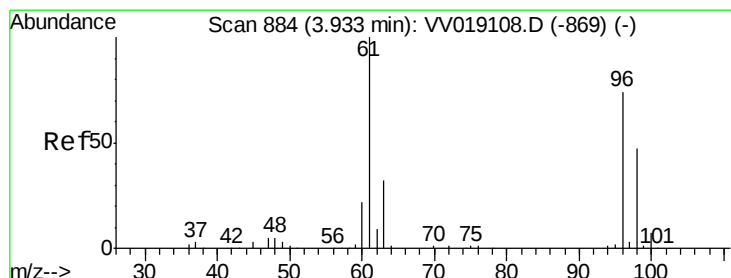
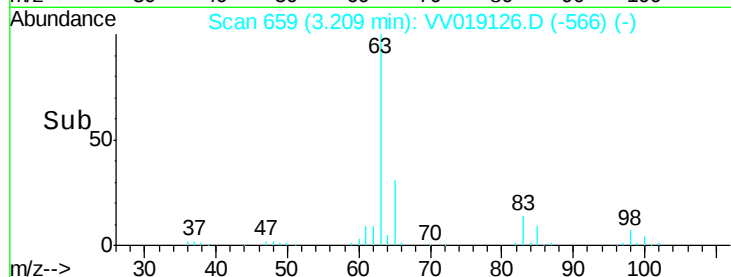
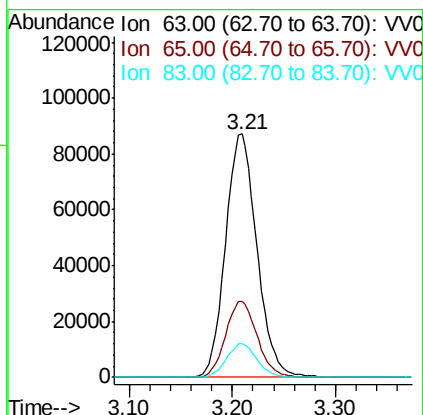
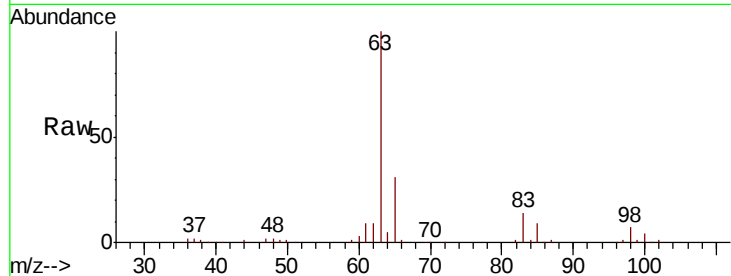




#19
 1,1-Dichloroethane
 Concen: 45.725 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV019126.D
 Acq: 27 Oct 2020 10:40

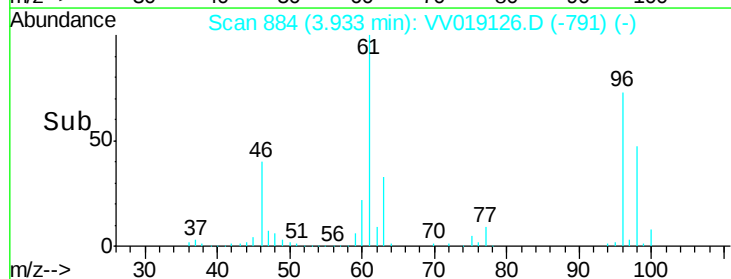
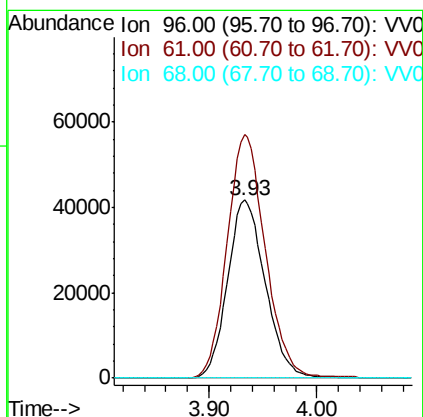
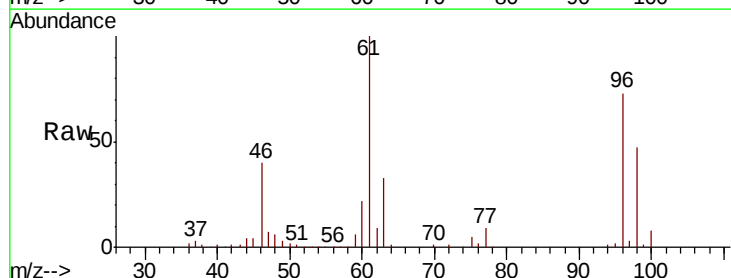
Instrument :
 MSVOA_V
 ClientSampled :

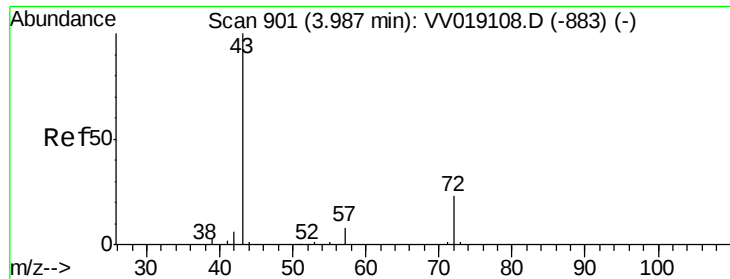
Tot Ion: 63 Resp: 185161
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.7 42.1
 83 13.9 9.0 16.8



#20
 cis-1,2-Dichloroethene
 Concen: 47.459 ug/L
 RT: 3.93 min Scan# 884
 Delta R.T. -0.00 min
 Lab File: VV019126.D
 Acq: 27 Oct 2020 10:40

Tgt Ion: 96 Resp: 101783
 Ion Ratio Lower Upper
 96 100
 61 137.0 99.4 184.6
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 101.625 ug/L

RT: 3.99 min Scan# 901

Delta R.T. -0.00 min

Lab File: VV019126.D

Acq: 27 Oct 2020 10:40

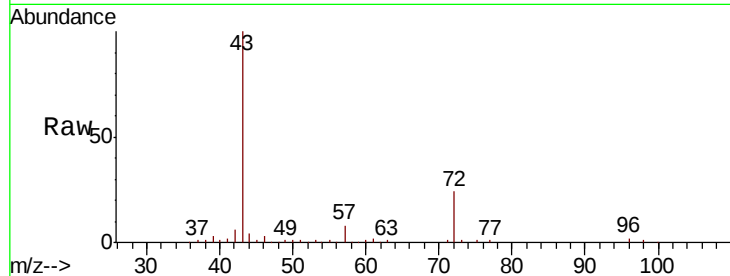
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 163931

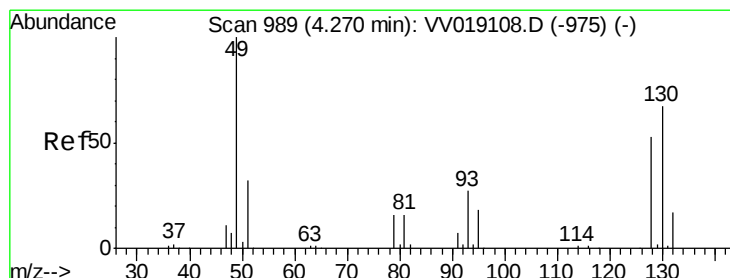
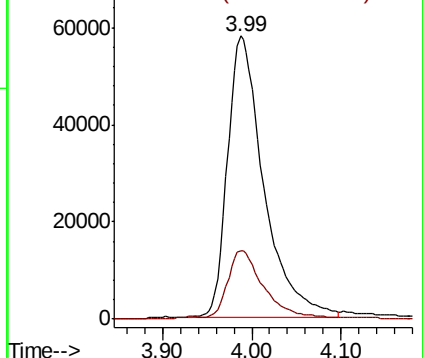
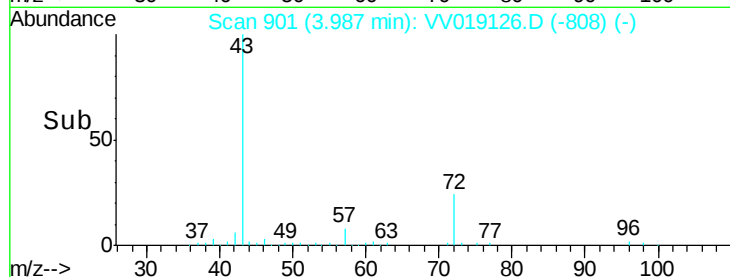
Ion Ratio Lower Upper

43 100

72 24.7 10.8 32.4



Abundance Ion 43.00 (42.70 to 43.70): VV019126.D (-808) (-)



#23

Bromochloromethane

Concen: 48.629 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VV019126.D

Acq: 27 Oct 2020 10:40

Tgt Ion:128 Resp: 53090

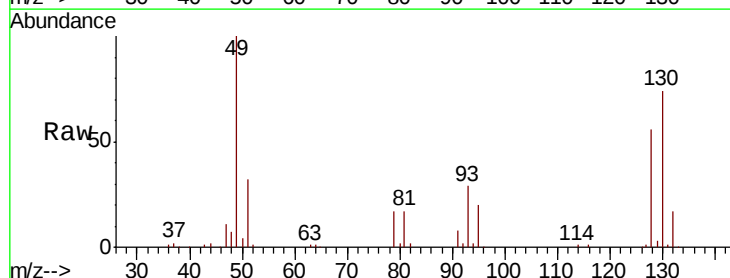
Ion Ratio Lower Upper

128 100

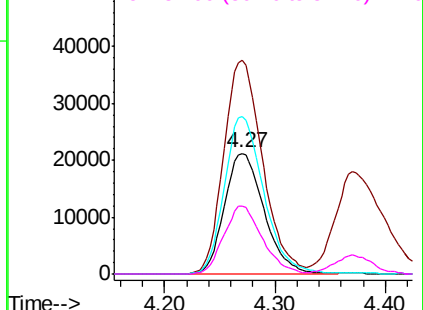
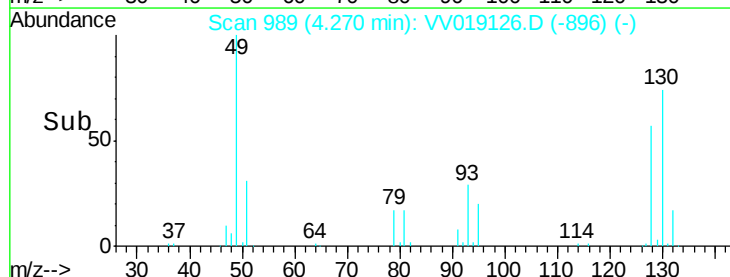
49 177.1 137.1 254.5

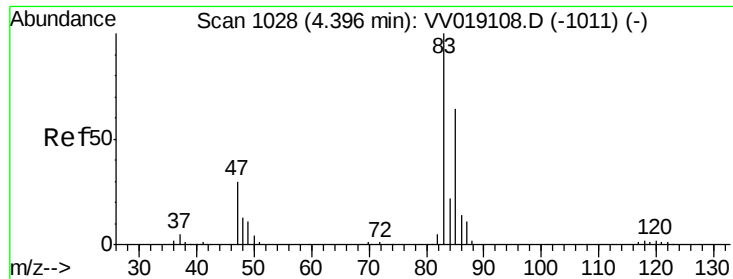
130 131.0 92.0 170.9

51 56.7 49.0 73.4



Abundance Ion 128.00 (127.70 to 128.70): VV019126.D (-896) (-)

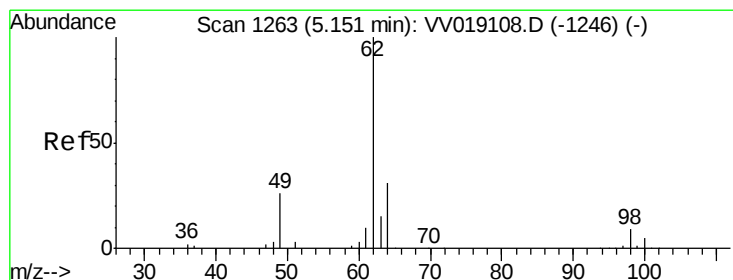
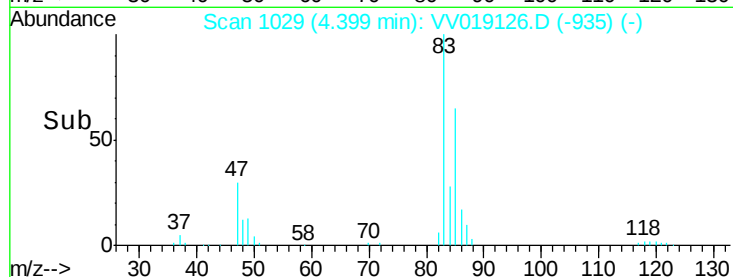
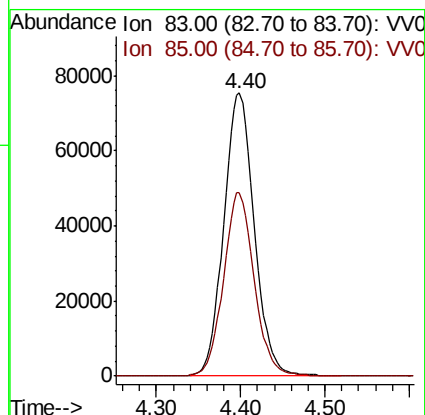
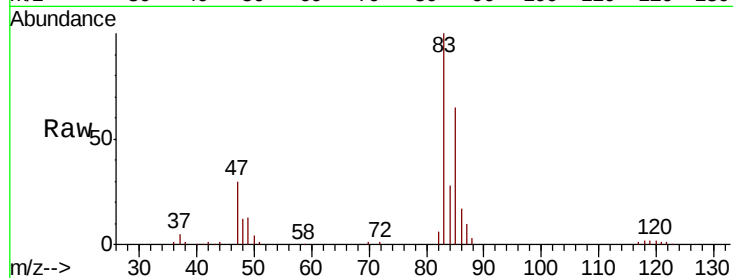




#25
Chloroform
Concen: 47.480 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV019126.D
Acq: 27 Oct 2020 10:40

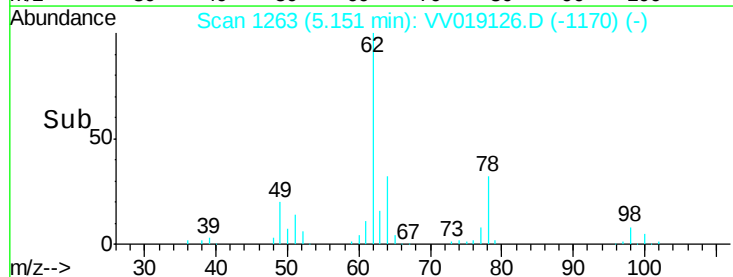
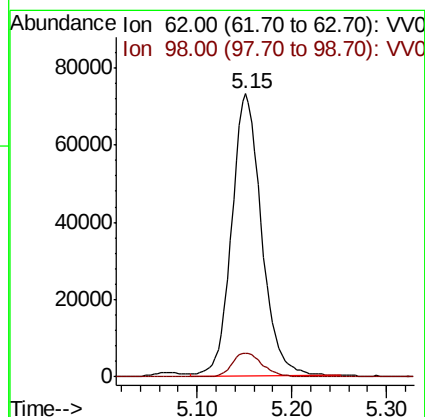
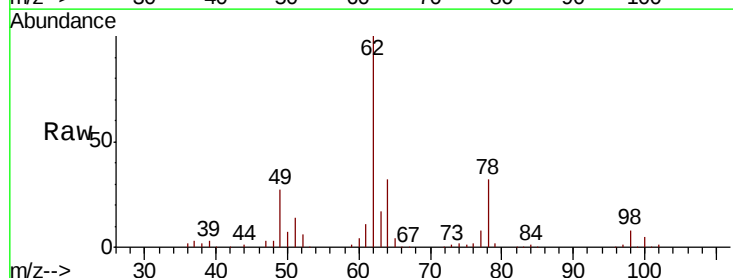
Instrument :
MSVOA_V
ClientSampleId :

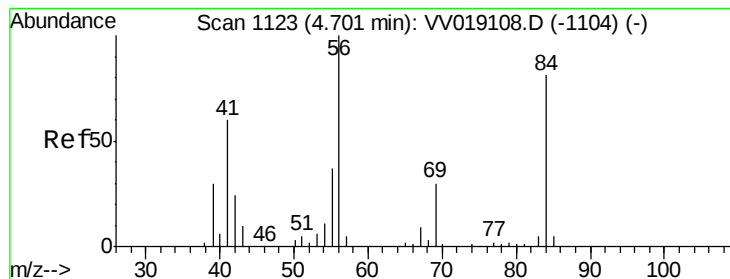
Tot Ion: 83 Resp: 189405
Ion Ratio Lower Upper
83 100
85 64.6 44.5 82.7



#27
1,2-Dichloroethane
Concen: 48.420 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VV019126.D
Acq: 27 Oct 2020 10:40

Tgt Ion: 62 Resp: 160301
Ion Ratio Lower Upper
62 100
98 8.4 6.9 10.3





#29

Cyclohexane

Concen: 48.942 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV019126.D

Acq: 27 Oct 2020 10:40

Instrument :
MSVOA_V
ClientSampleId :

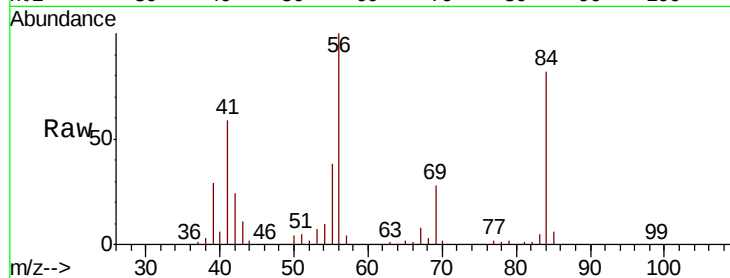
Tot Ion: 56 Resp: 159593

Ion Ratio Lower Upper

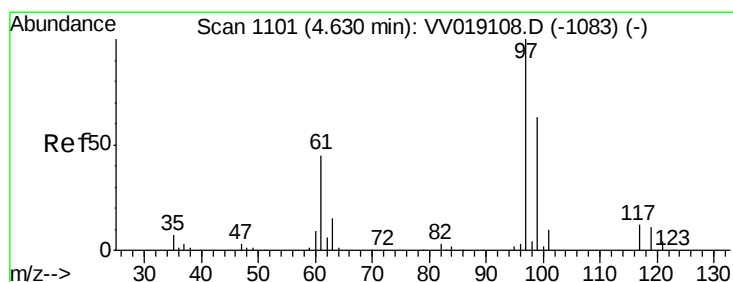
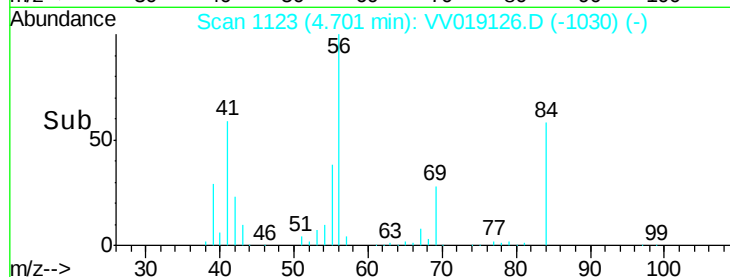
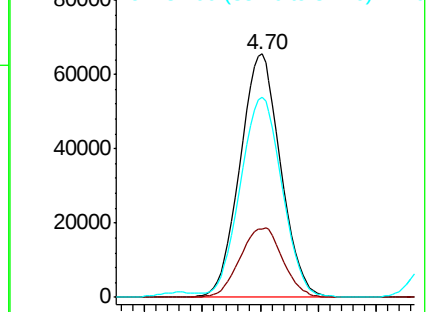
56 100

69 30.1 22.7 34.1

84 84.8 63.5 95.3



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 51.137 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VV019126.D

Acq: 27 Oct 2020 10:40

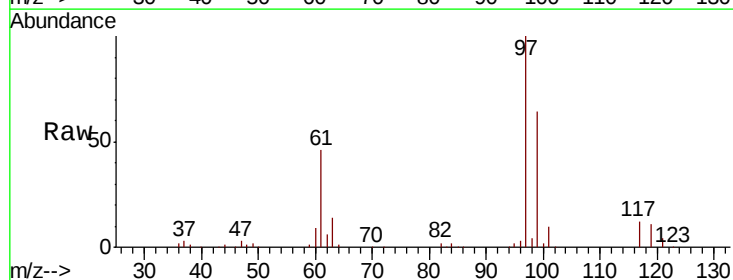
Tgt Ion: 97 Resp: 173452

Ion Ratio Lower Upper

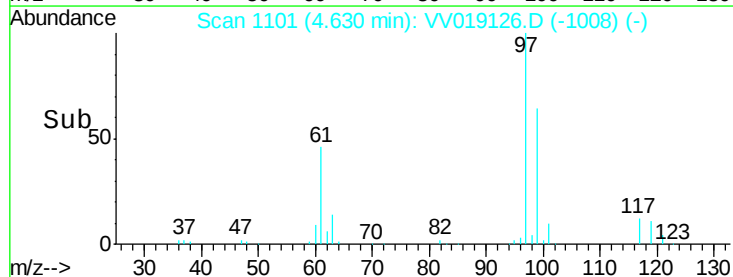
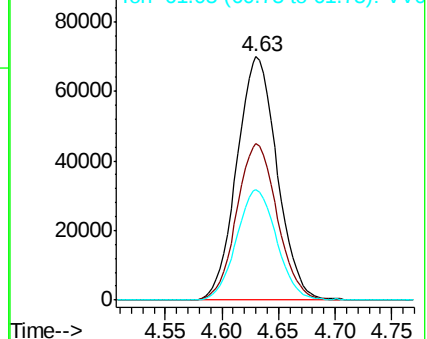
97 100

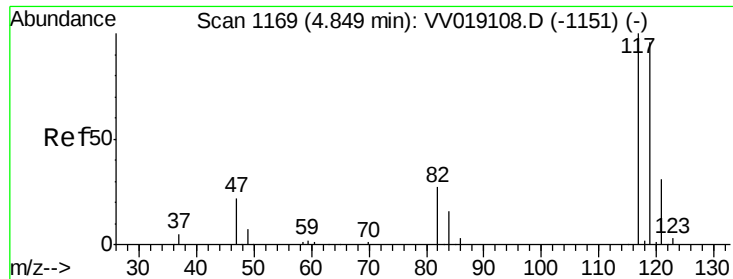
99 64.4 50.5 75.7

61 45.1 38.1 57.1



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 51.798 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. -0.00 min

Lab File: VV019126.D

Acq: 27 Oct 2020 10:40

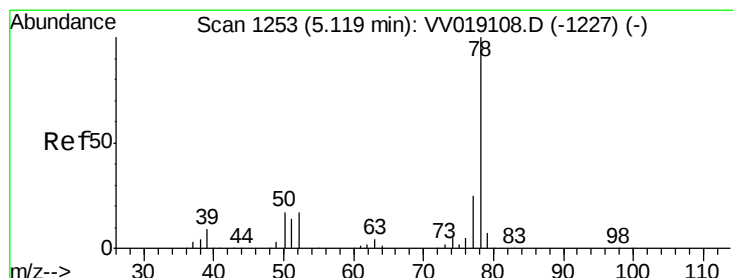
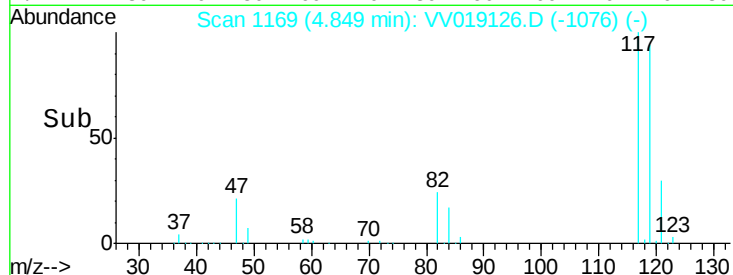
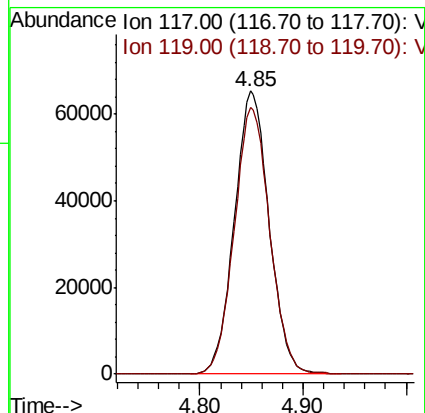
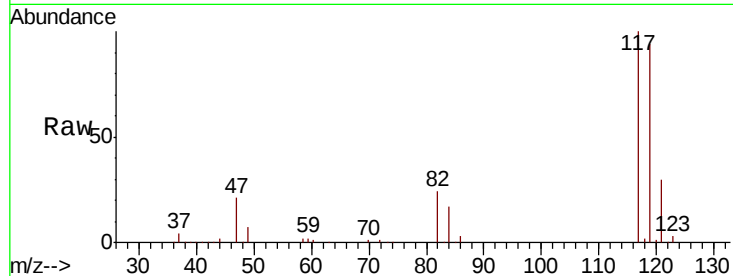
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 153164

Ion Ratio Lower Upper

117 100

119 96.0 77.2 115.8



#33

Benzene

Concen: 47.712 ug/L

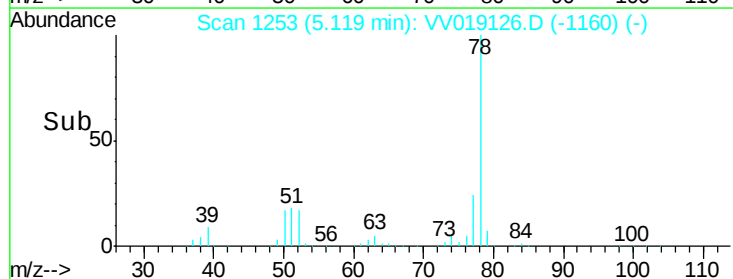
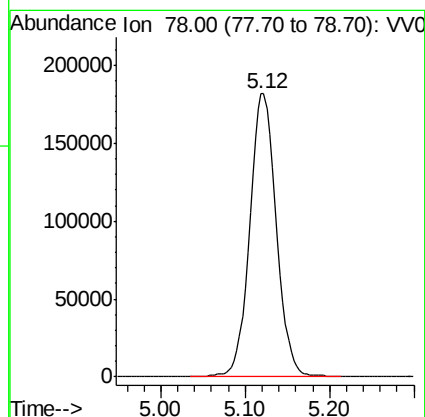
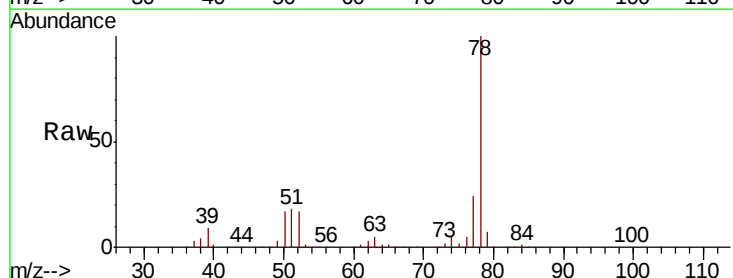
RT: 5.12 min Scan# 1253

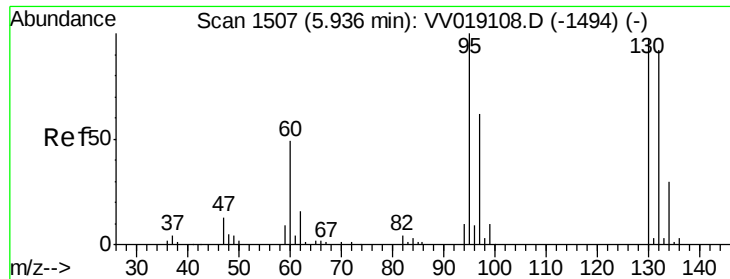
Delta R.T. -0.00 min

Lab File: VV019126.D

Acq: 27 Oct 2020 10:40

Tgt Ion: 78 Resp: 397913





#34

Trichloroethene

Concen: 49.824 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV019126.D

Acq: 27 Oct 2020 10:40

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 105001

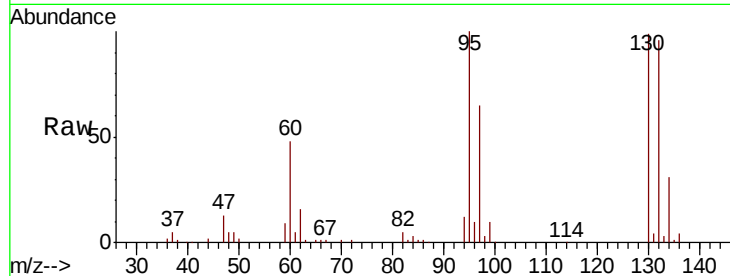
Ion Ratio Lower Upper

95 100

97 65.1 44.6 82.8

132 95.6 66.0 122.6

130 99.4 67.6 125.6

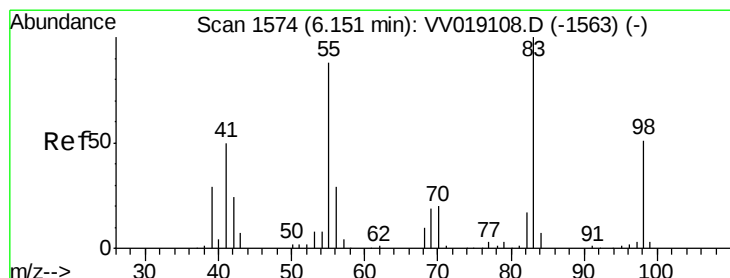
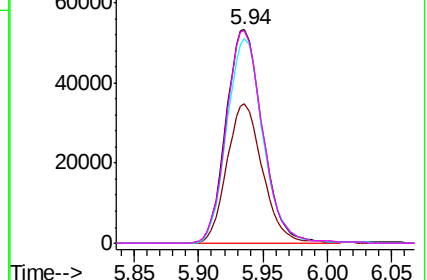
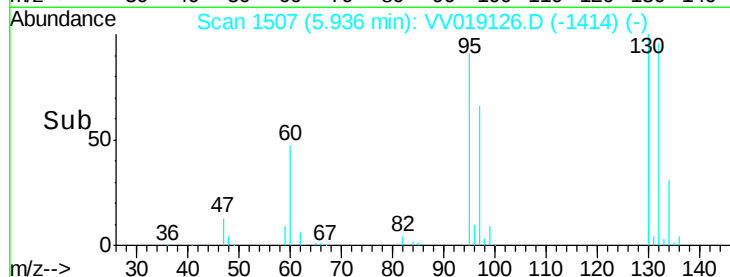


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 51.166 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VV019126.D

Acq: 27 Oct 2020 10:40

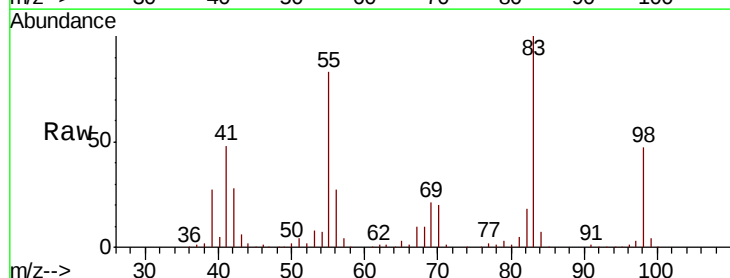
Tgt Ion: 83 Resp: 147535

Ion Ratio Lower Upper

83 100

55 82.5 68.1 102.1

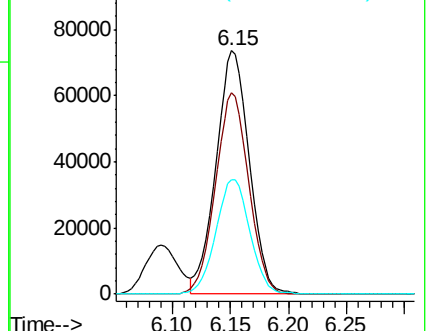
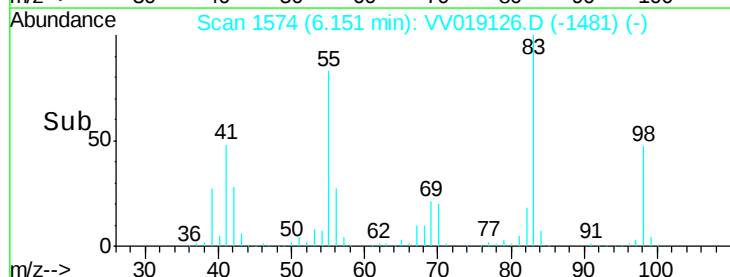
98 48.2 37.9 56.9

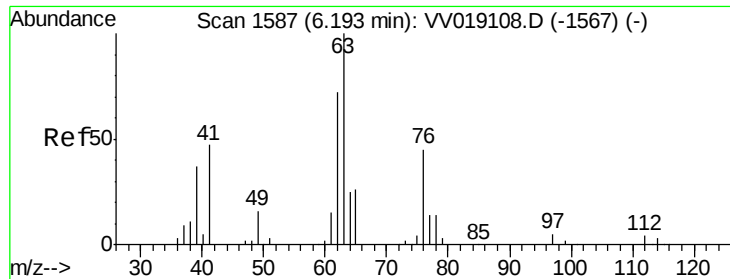


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

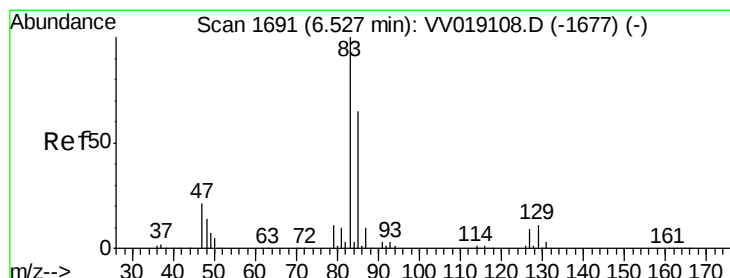
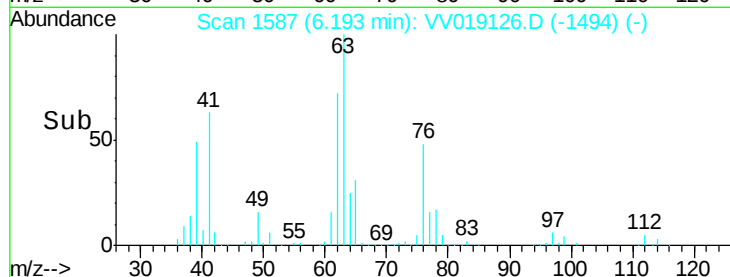
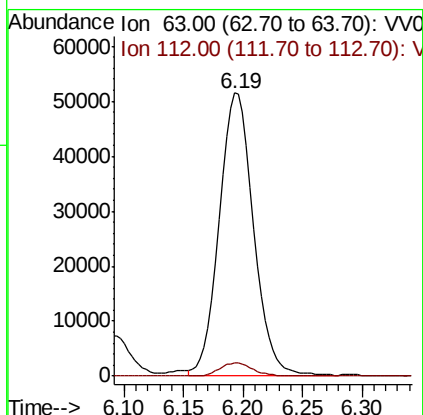
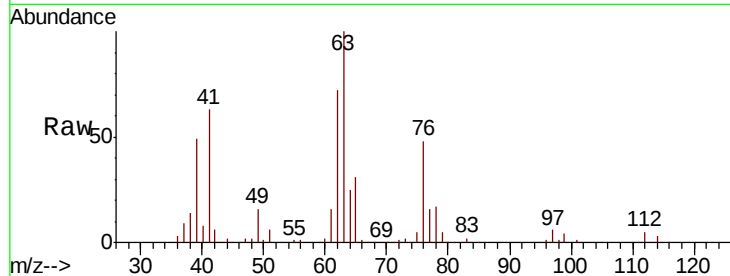




#37
 1,2-Dichloropropane
 Concen: 44.549 ug/L
 RT: 6.19 min Scan# 1587
 Delta R.T. -0.00 min
 Lab File: VV019126.D
 Acq: 27 Oct 2020 10:40

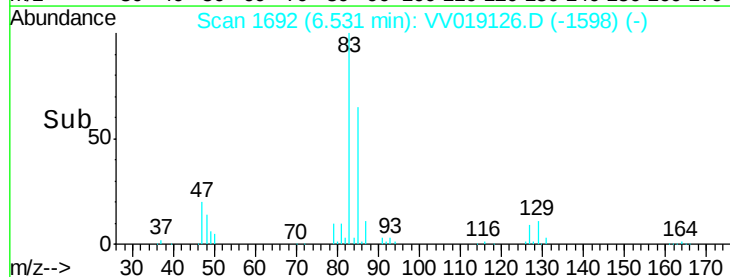
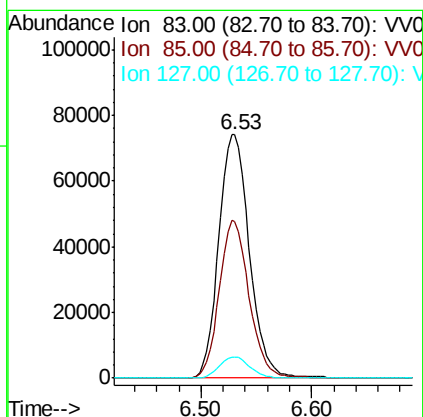
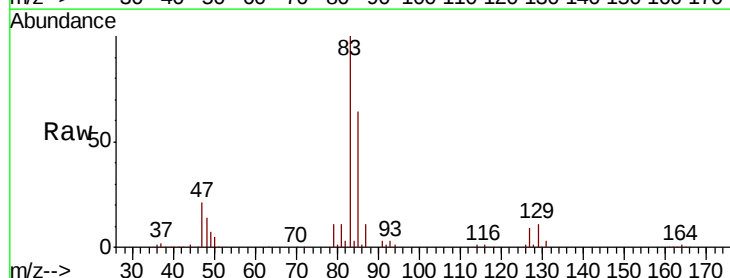
Instrument :
 MSVOA_V
 ClientSampleId :

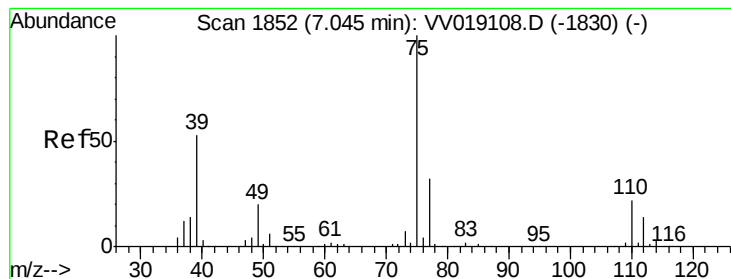
Tot Ion: 63 Resp: 102282
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.5 5.3



#38
 Bromodichloromethane
 Concen: 49.239 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV019126.D
 Acq: 27 Oct 2020 10:40

Tgt Ion: 83 Resp: 143044
 Ion Ratio Lower Upper
 83 100
 85 64.4 44.9 83.3
 127 8.8 7.0 10.4



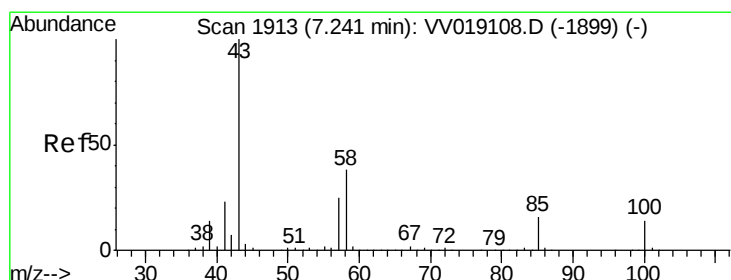
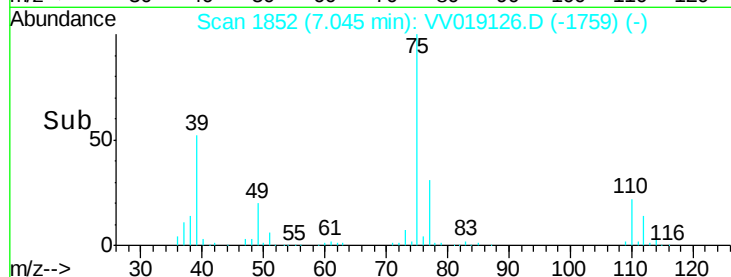
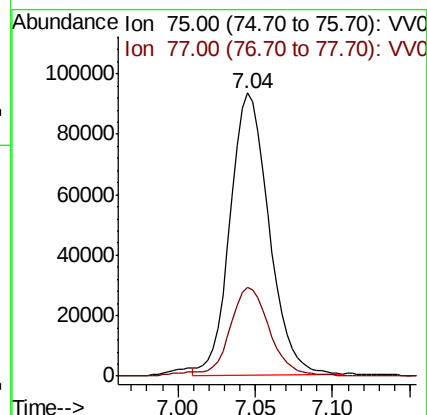
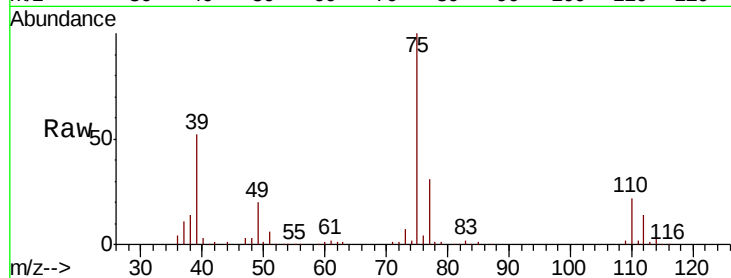


#39

cis-1,3-Dichloropropene
Concen: 47.759 ug/L
RT: 7.04 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VV019126.D
Acq: 27 Oct 2020 10:40

Instrument :
MSVOA_V
ClientSampleId :

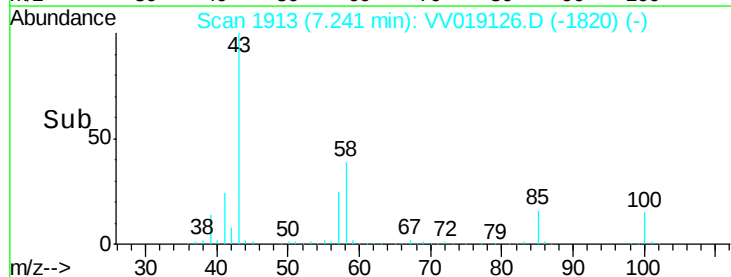
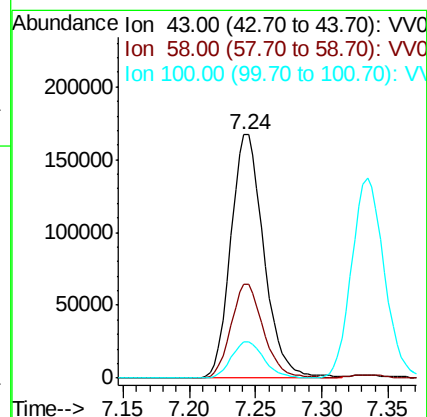
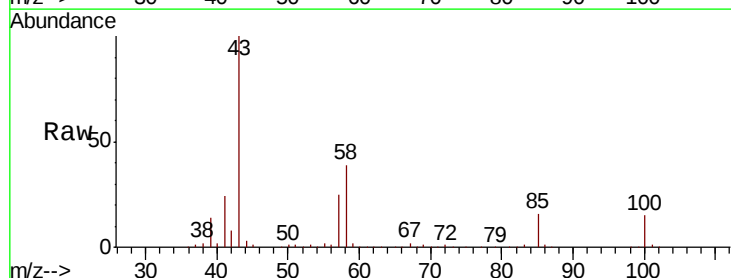
Tot Ion: 75 Resp: 162054
Ion Ratio Lower Upper
75 100
77 31.4 22.1 41.1

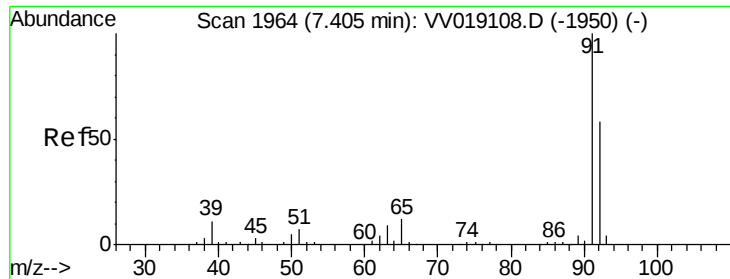


#40

4-Methyl-2-pentanone
Concen: 93.925 ug/L
RT: 7.24 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VV019126.D
Acq: 27 Oct 2020 10:40

Tgt Ion: 43 Resp: 290933
Ion Ratio Lower Upper
43 100
58 37.8 29.6 44.4
100 14.8 10.9 16.3





#42

Toluene

Concen: 50.267 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV019126.D

Acq: 27 Oct 2020 10:40

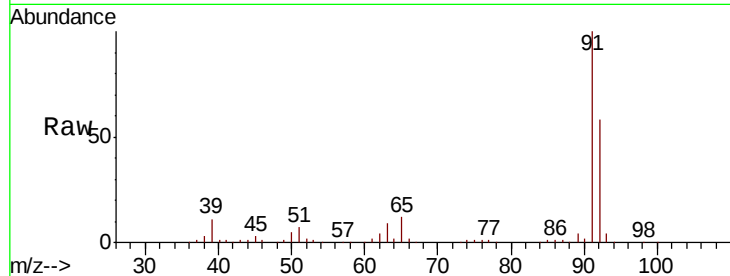
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 430305

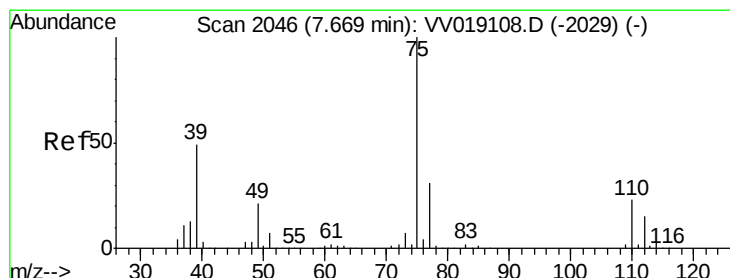
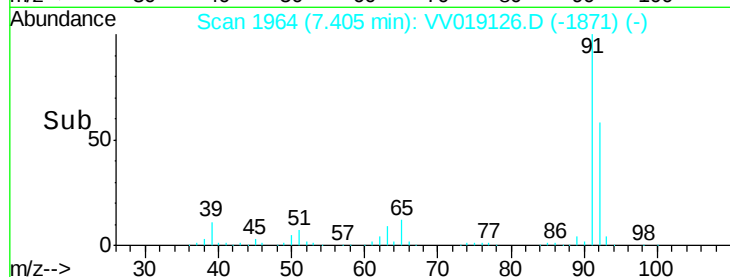
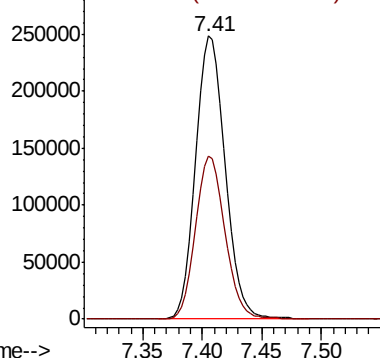
Ion Ratio Lower Upper

91 100

92 57.6 40.9 76.0



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: 50.705 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV019126.D

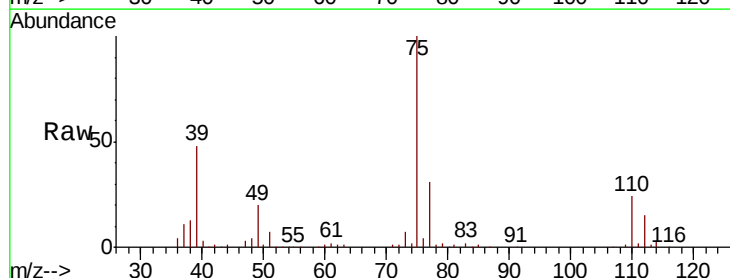
Acq: 27 Oct 2020 10:40

Tgt Ion: 75 Resp: 170688

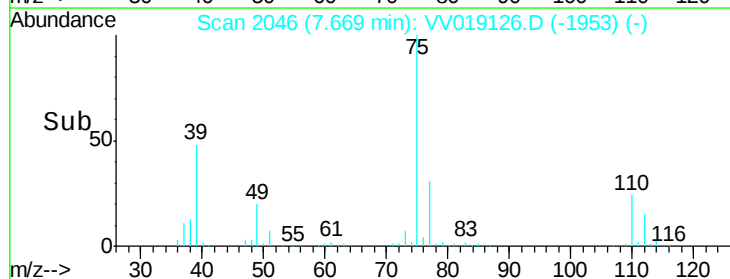
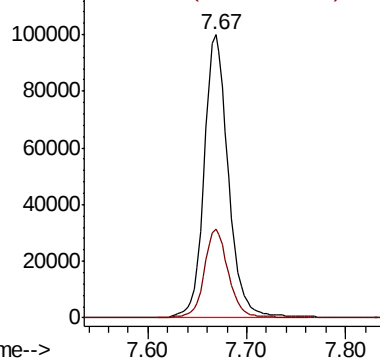
Ion Ratio Lower Upper

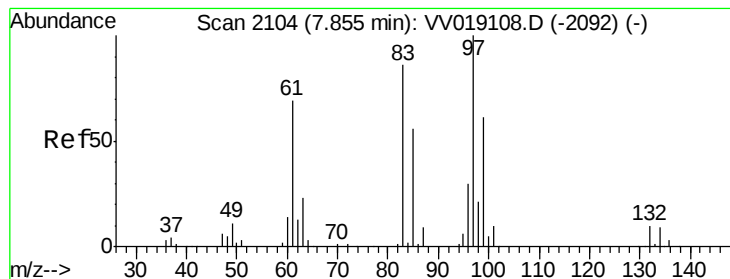
75 100

77 31.3 21.5 39.9



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: 47.476 ug/L

RT: 7.86 min Scan# 2104

Delta R.T. -0.00 min

Lab File: VV019126.D

Acq: 27 Oct 2020 10:40

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 96273

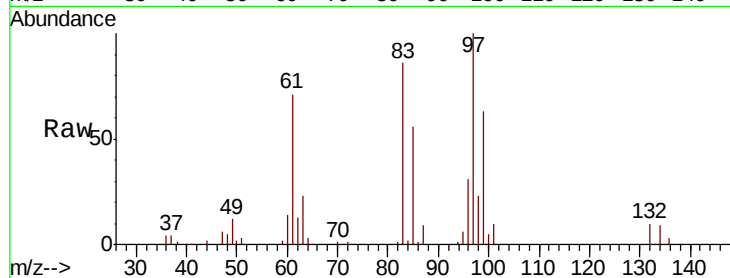
Ion Ratio Lower Upper

97 100

99 62.8 43.5 80.9

83 85.8 62.2 115.4

85 55.9 39.9 74.1

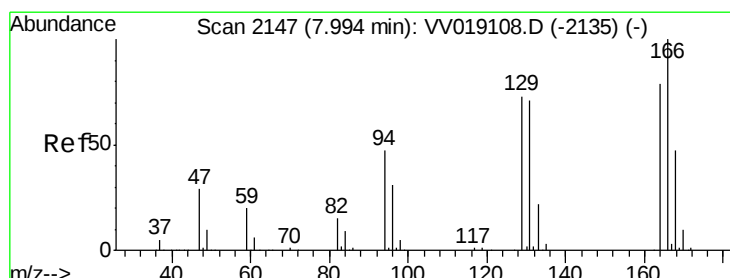
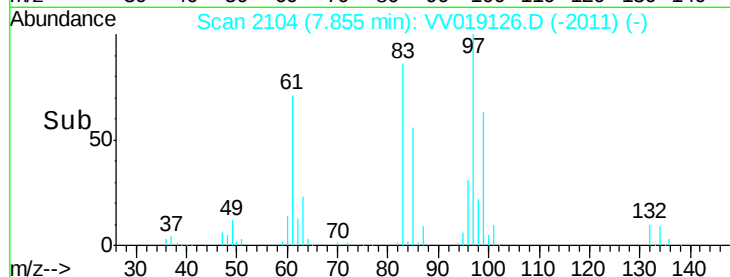
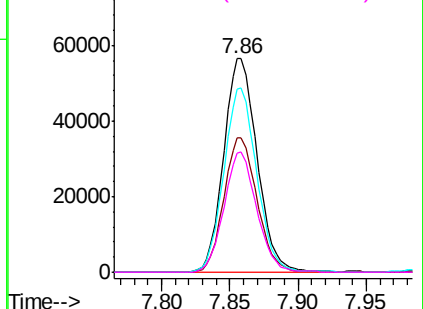


Abundance Ion 97.00 (96.70 to 97.70): VV0

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: 52.868 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VV019126.D

Acq: 27 Oct 2020 10:40

Tgt Ion: 164 Resp: 85501

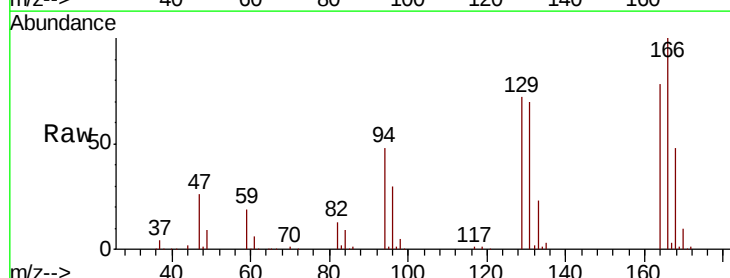
Ion Ratio Lower Upper

164 100

129 92.6 65.5 121.6

131 89.8 62.4 115.8

166 128.5 90.0 167.2

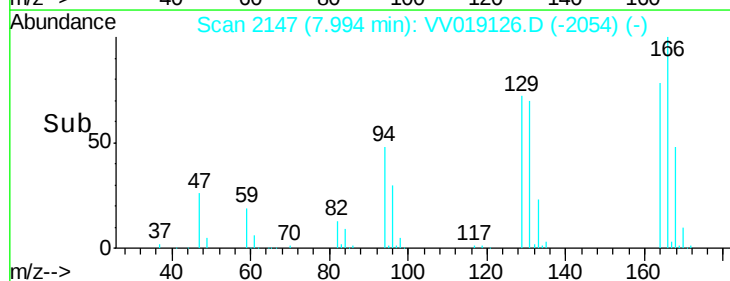
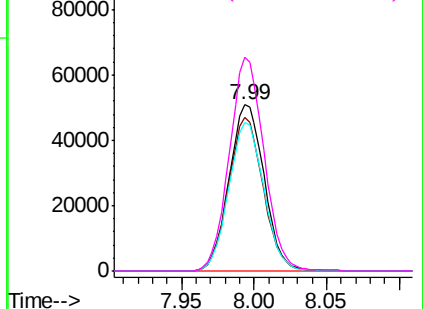


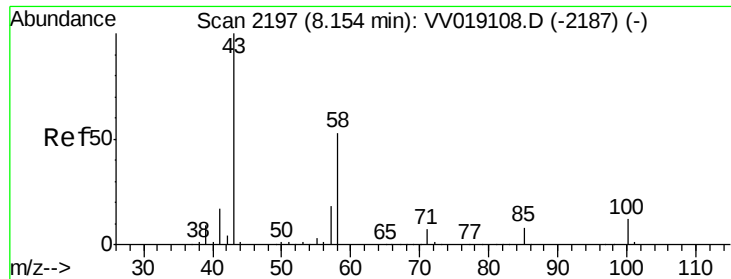
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

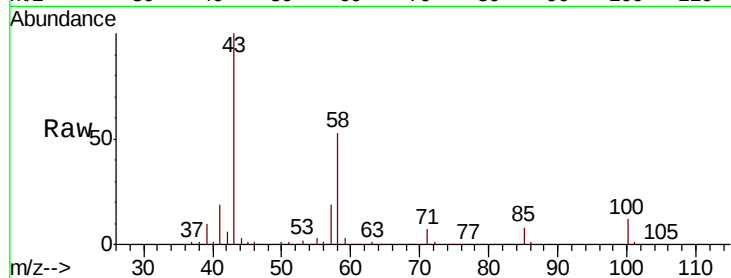




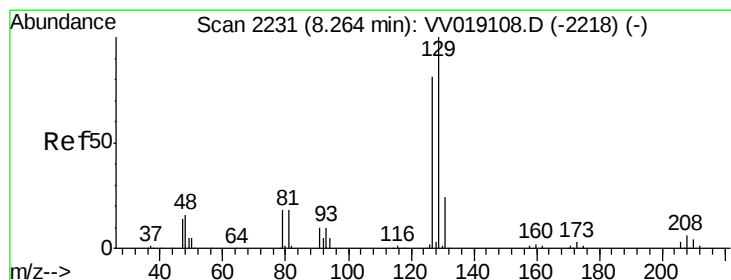
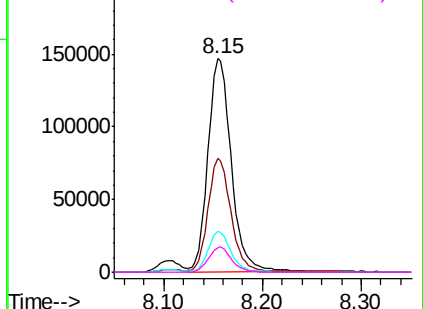
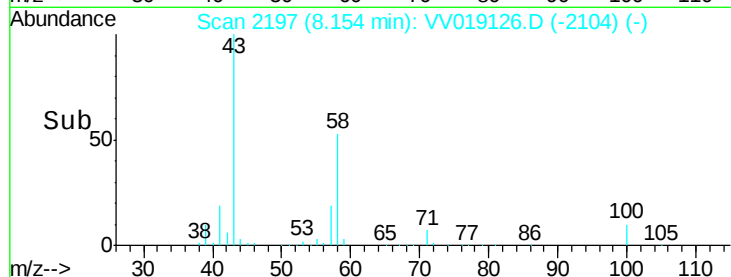
#48
2-Hexanone
Concen: 101.061 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VV019126.D
Acq: 27 Oct 2020 10:40

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 241556
Ion Ratio Lower Upper
43 100
58 51.8 41.1 61.7
57 18.0 14.7 22.1
100 11.8 8.6 12.8

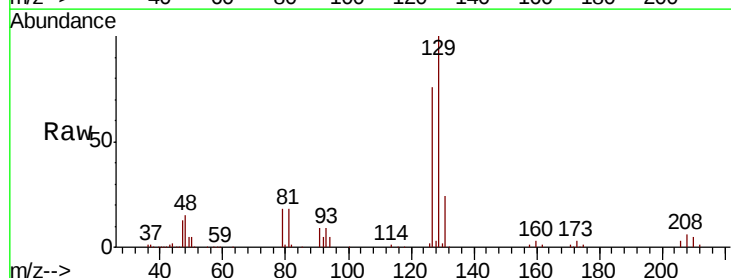


Abundance Ion 43.00 (42.70 to 43.70): VV019126.D (-2104) (-)
Ion 58.00 (57.70 to 58.70): VV019126.D (-2104) (-)
Ion 57.00 (56.70 to 57.70): VV019126.D (-2104) (-)
Ion 100.00 (99.70 to 100.70): VV019126.D (-2104) (-)

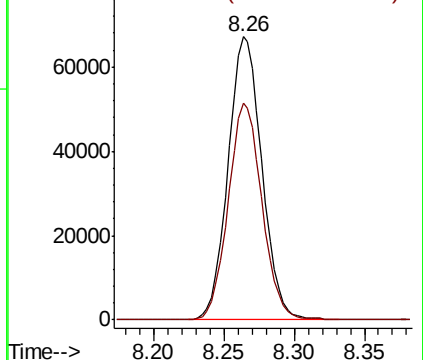
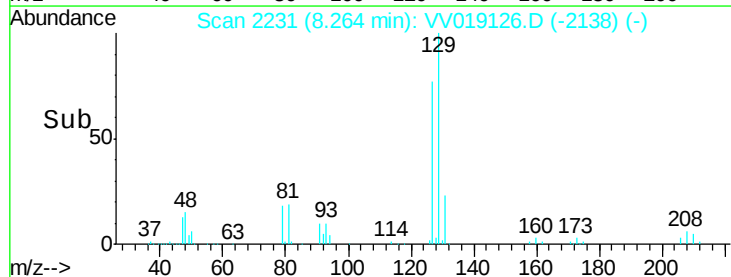


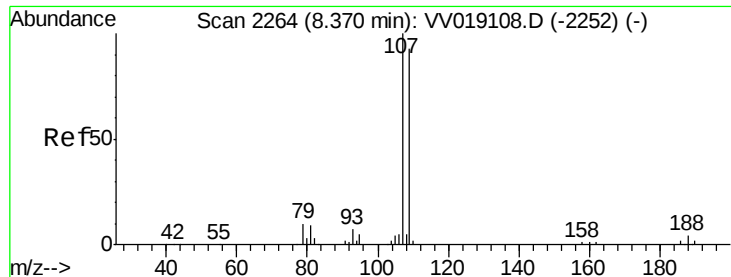
#49
Dibromochloromethane
Concen: 50.817 ug/L
RT: 8.26 min Scan# 2231
Delta R.T. -0.00 min
Lab File: VV019126.D
Acq: 27 Oct 2020 10:40

Tgt Ion: 129 Resp: 112635
Ion Ratio Lower Upper
129 100
127 76.4 53.7 99.7



Abundance Ion 129.00 (128.70 to 129.70): VV019126.D (-2138) (-)
Ion 127.00 (126.70 to 127.70): VV019126.D (-2138) (-)

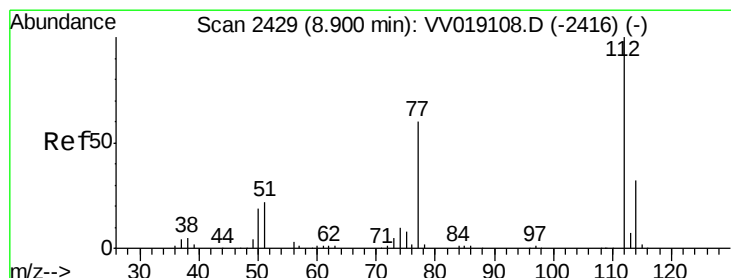
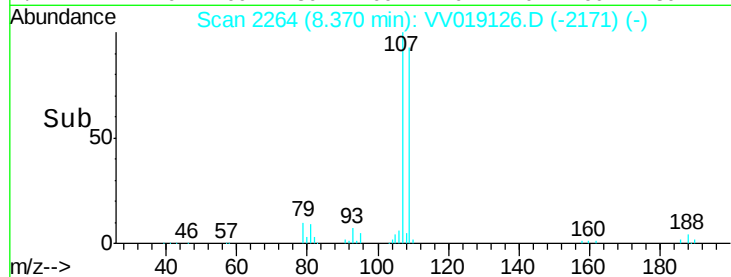
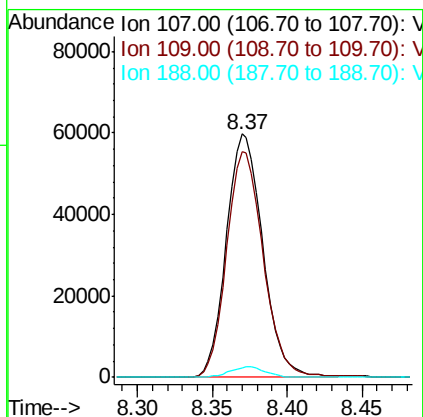
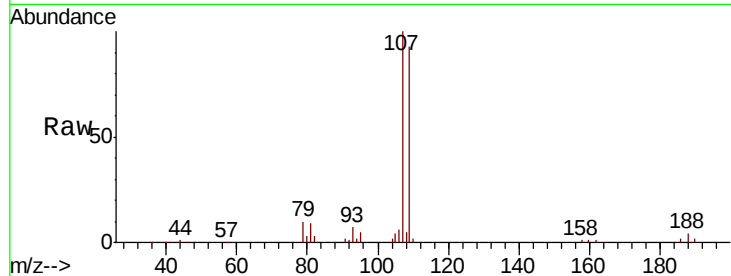




#50
1,2-Dibromoethane
Concen: 48.232 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. -0.00 min
Lab File: VV019126.D
Acq: 27 Oct 2020 10:40

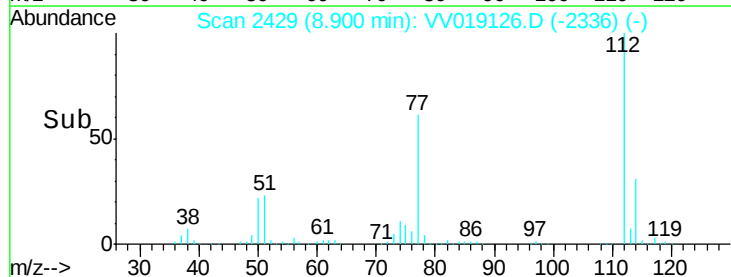
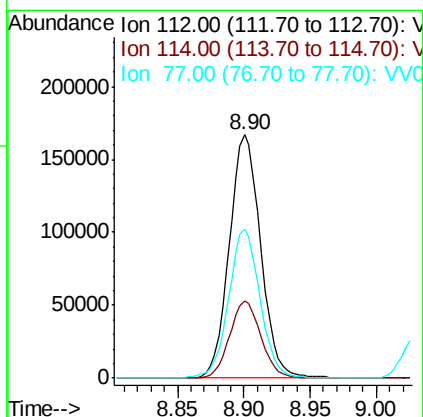
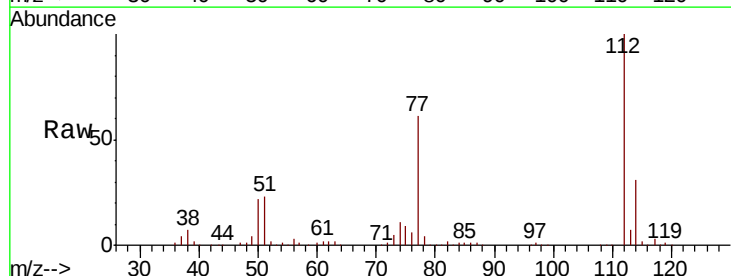
Instrument :
MSVOA_V
ClientSampleId :

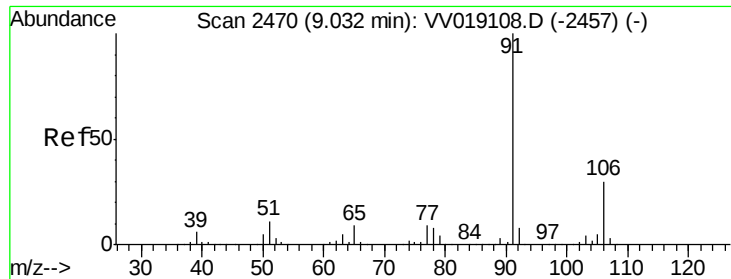
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.9	66.1	122.7
188	4.1	3.2	4.8



#51
Chlorobenzene
Concen: 50.007 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV019126.D
Acq: 27 Oct 2020 10:40

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.5	22.2	41.2
77	61.2	49.1	73.7





#52

Ethylbenzene

Concen: 51.395 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV019126.D

Acq: 27 Oct 2020 10:40

Instrument :

MSVOA_V

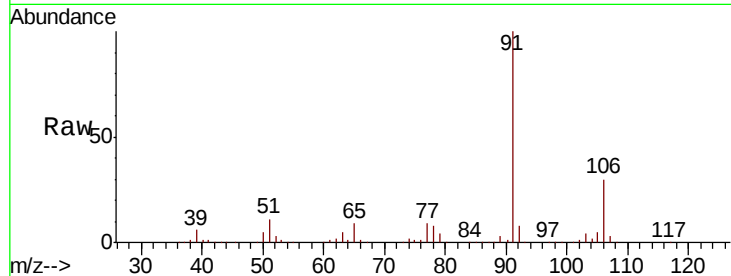
ClientSampleId :

Tot Ion: 91 Resp: 475756

Ion Ratio Lower Upper

91 100

106 30.1 20.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VV019126.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV019126.D (-2377) (-)

9.03

300000

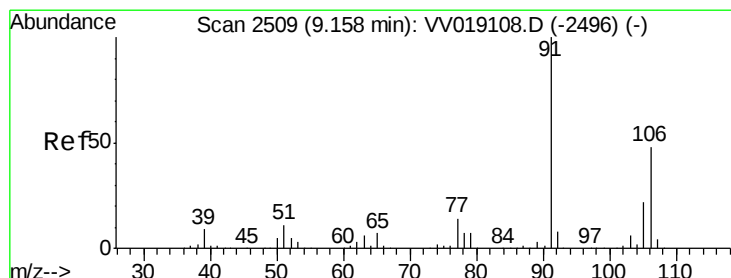
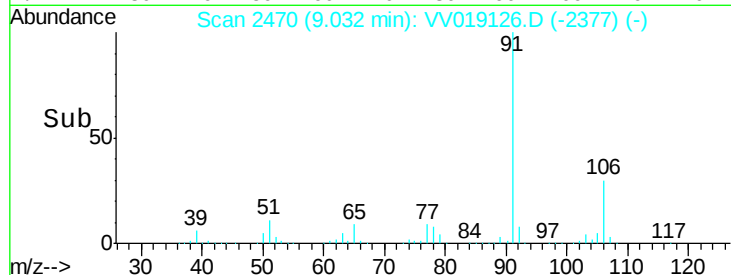
200000

100000

0

Time-->

8.95 9.00 9.05 9.10



#53

m,p-Xylene

Concen: 52.582 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV019126.D

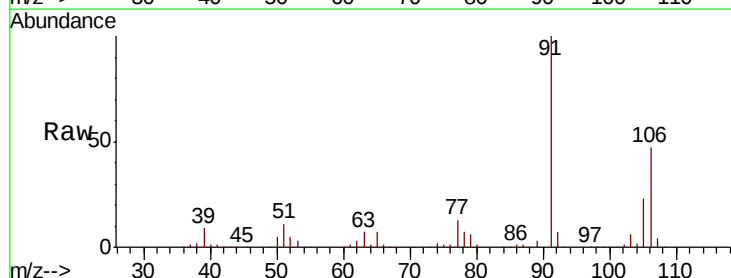
Acq: 27 Oct 2020 10:40

Tgt Ion: 106 Resp: 178185

Ion Ratio Lower Upper

106 100

91 212.6 143.4 266.2



Abundance Ion 106.00 (105.70 to 106.70): VV019126.D (-2416) (-)

Ion 91.00 (90.70 to 91.70): VV019126.D (-2416) (-)

9.16

250000

200000

150000

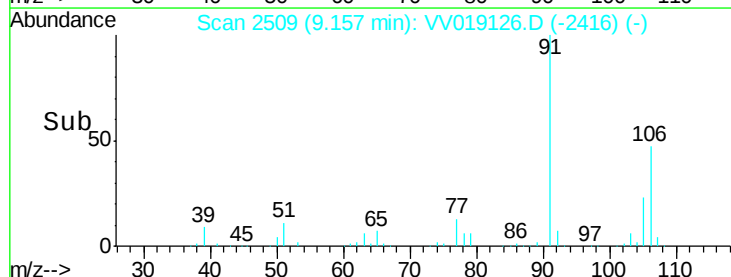
100000

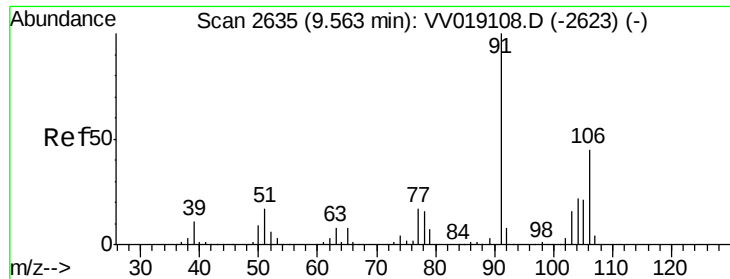
50000

0

Time-->

9.10 9.15 9.20 9.25





#54

o-xylene

Concen: 52.972 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV019126.D

Acq: 27 Oct 2020 10:40

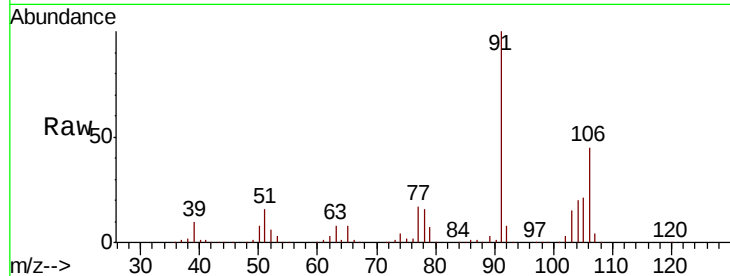
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 172836

Ion Ratio Lower Upper

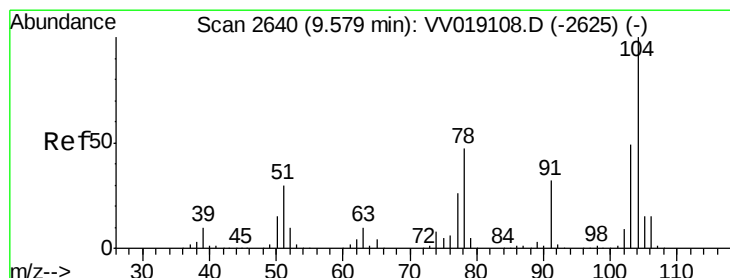
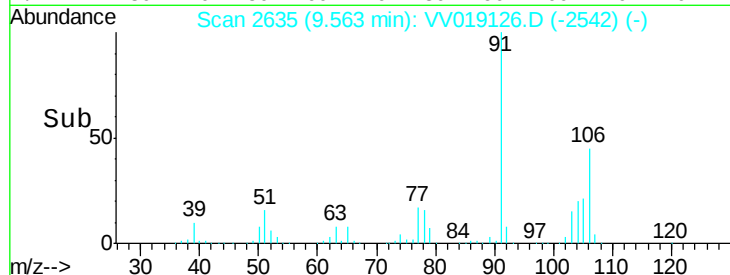
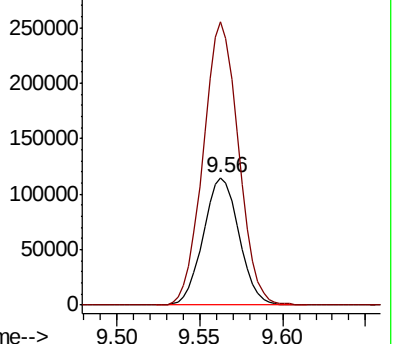
106 100

91 221.4 154.3 286.5



Abundance Ion 106.00 (105.70 to 106.70): VV019126.D (-2542) (-)

Ion 91.00 (90.70 to 91.70): VV019126.D (-2542) (-)



#55

Styrene

Concen: 53.134 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV019126.D

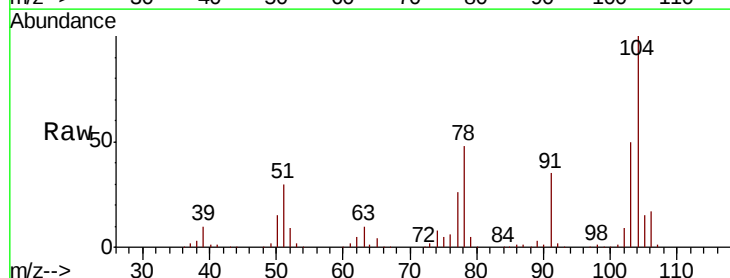
Acq: 27 Oct 2020 10:40

Tgt Ion:104 Resp: 307521

Ion Ratio Lower Upper

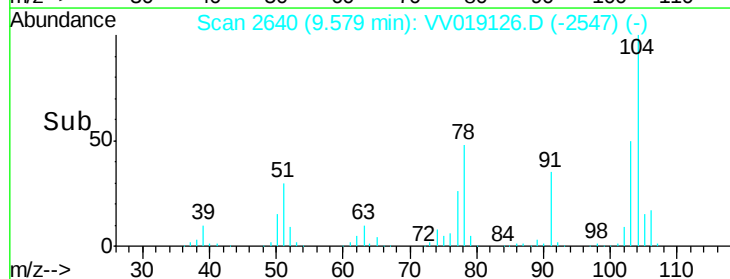
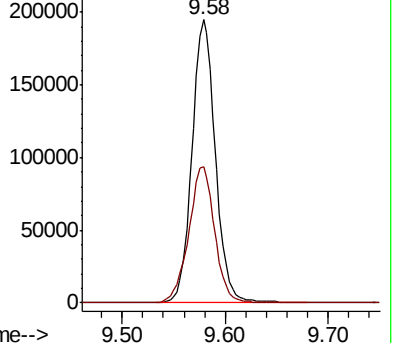
104 100

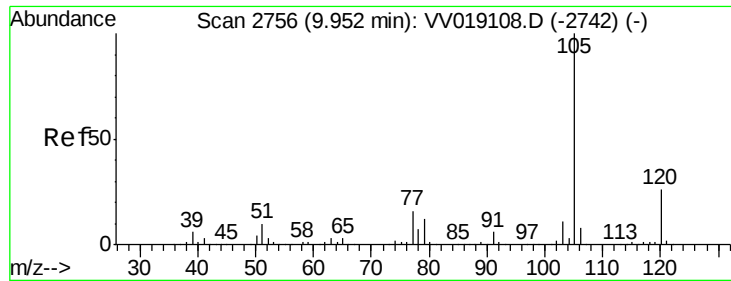
78 48.2 33.2 61.7



Abundance Ion 104.00 (103.70 to 104.70): VV019126.D (-2547) (-)

Ion 78.00 (77.70 to 78.70): VV019126.D (-2547) (-)





#56

Isopropylbenzene

Concen: 53.507 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV019126.D

Acq: 27 Oct 2020 10:40

Instrument :
MSVOA_V
ClientSampleId :

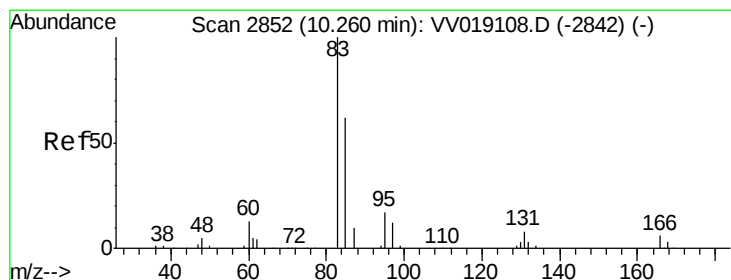
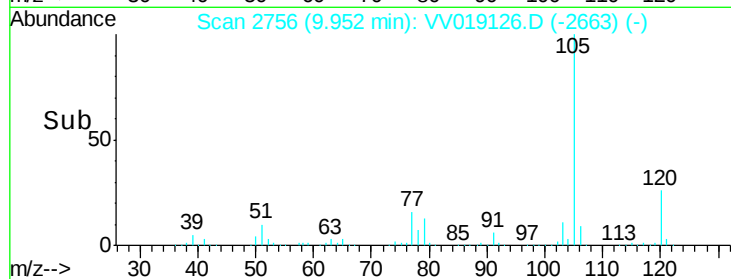
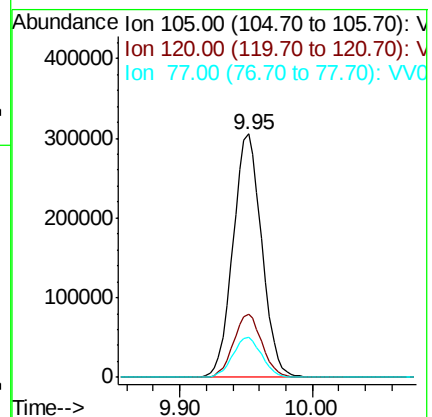
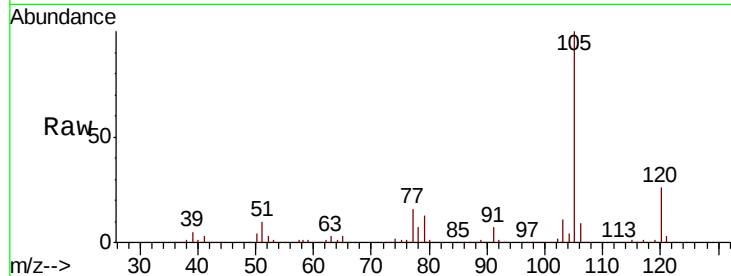
Tot Ion:105 Resp: 459050

Ion Ratio Lower Upper

105 100

120 25.7 20.6 31.0

77 16.7 13.4 20.0



#58

1,1,2,2-Tetrachloroethane

Concen: 44.946 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV019126.D

Acq: 27 Oct 2020 10:40

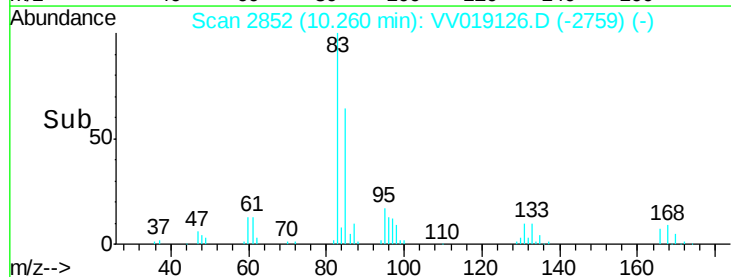
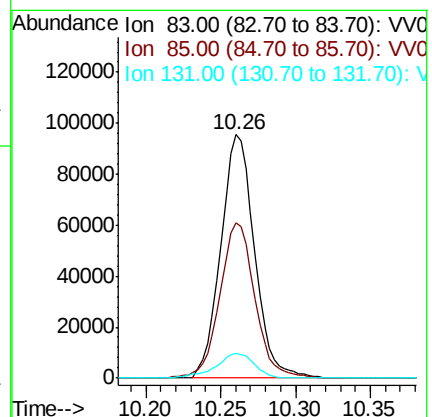
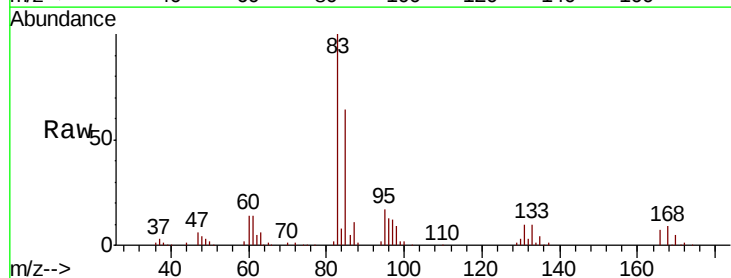
Tgt Ion: 83 Resp: 149970

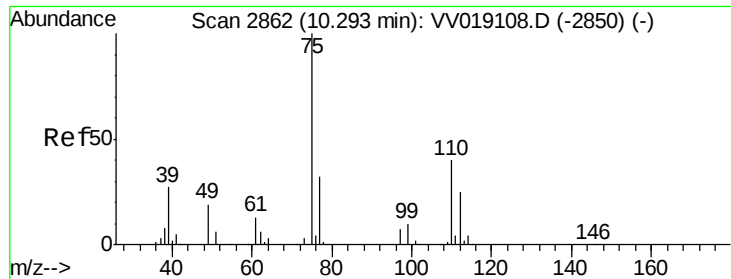
Ion Ratio Lower Upper

83 100

85 64.0 44.2 82.2

131 10.1 7.4 11.2





#59

1,2,3-Trichloropropane

Concen: 46.858 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV019126.D

Acq: 27 Oct 2020 10:40

Instrument :

MSVOA_V

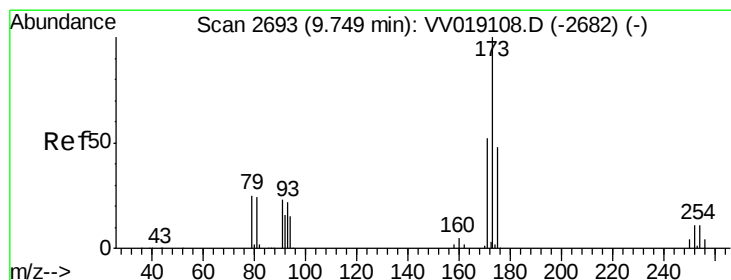
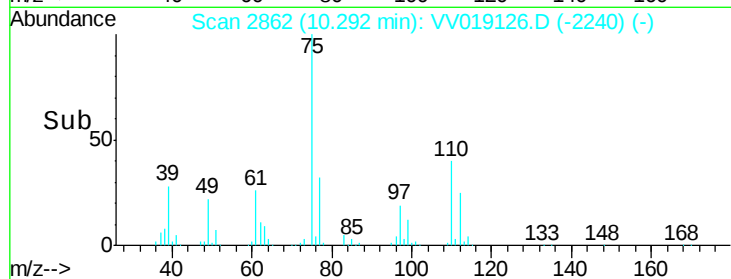
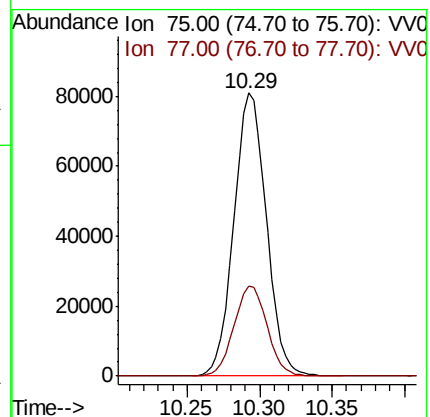
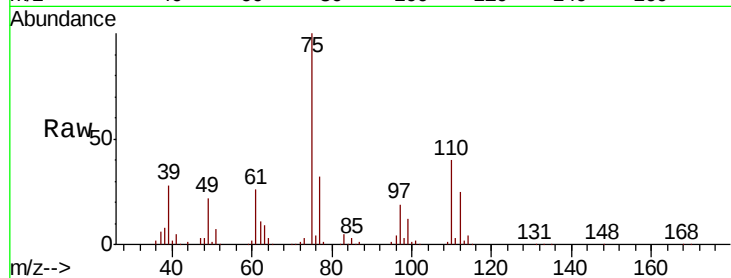
ClientSampleId :

Tot Ion: 75 Resp: 125796

Ion Ratio Lower Upper

75 100

77 32.5 25.9 38.9



#61

Bromoform

Concen: 49.253 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV019126.D

Acq: 27 Oct 2020 10:40

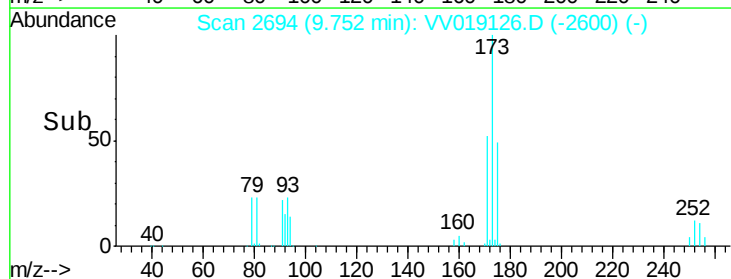
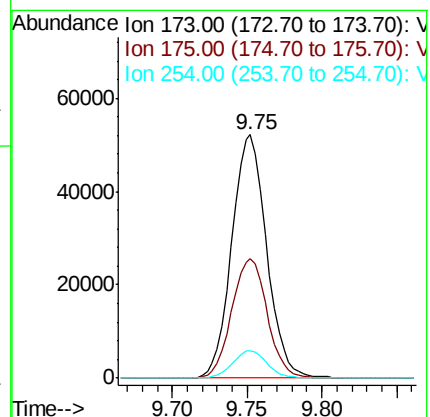
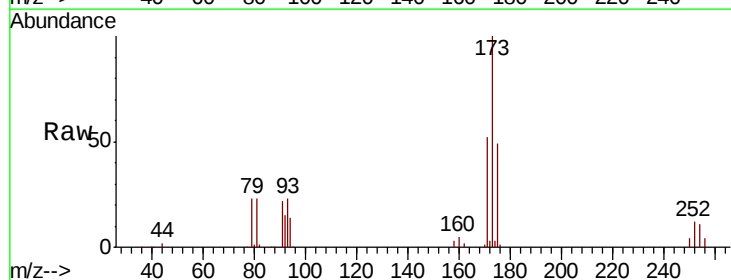
Tgt Ion: 173 Resp: 84571

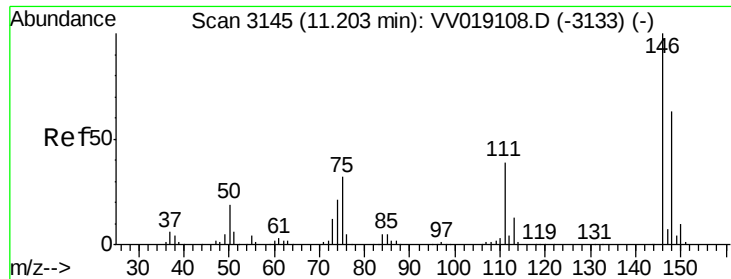
Ion Ratio Lower Upper

173 100

175 49.8 38.3 57.5

254 11.1 8.3 12.5





#62

1,3-Dichlorobenzene

Concen: 49.467 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV019126.D

Acq: 27 Oct 2020 10:40

Instrument :

MSVOA_V

ClientSampleId :

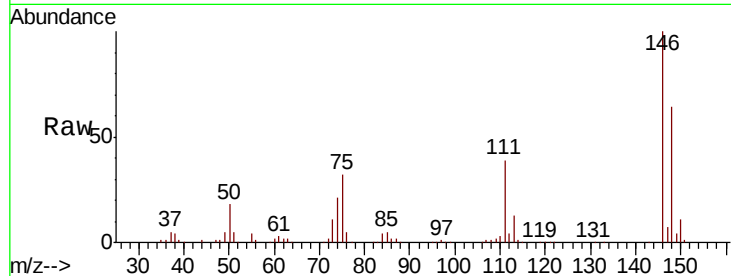
Tot Ion:146 Resp: 226336

Ion Ratio Lower Upper

146 100

111 39.3 28.8 53.4

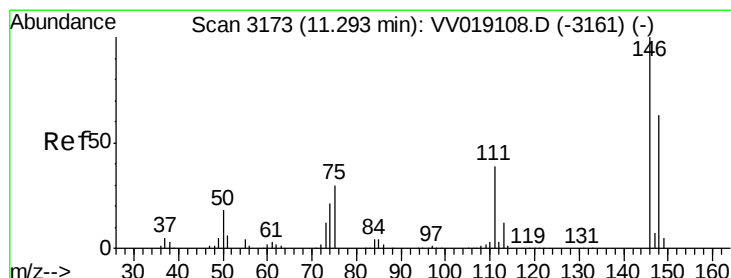
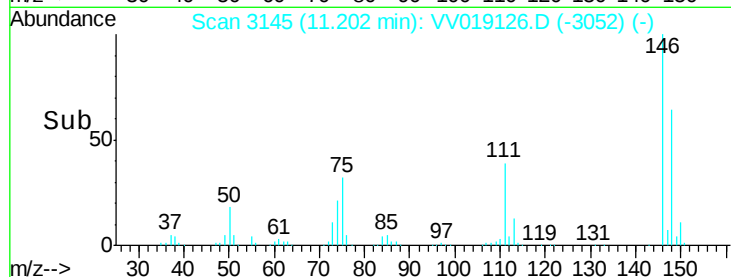
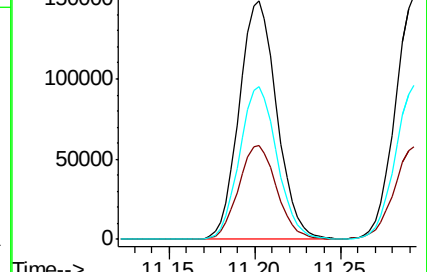
148 63.8 44.5 82.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 48.919 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV019126.D

Acq: 27 Oct 2020 10:40

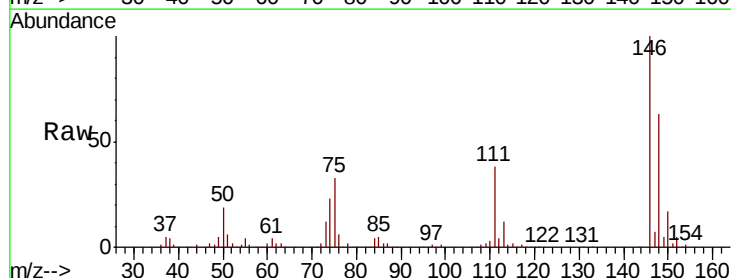
Tgt Ion:146 Resp: 233887

Ion Ratio Lower Upper

146 100

111 38.0 27.8 51.6

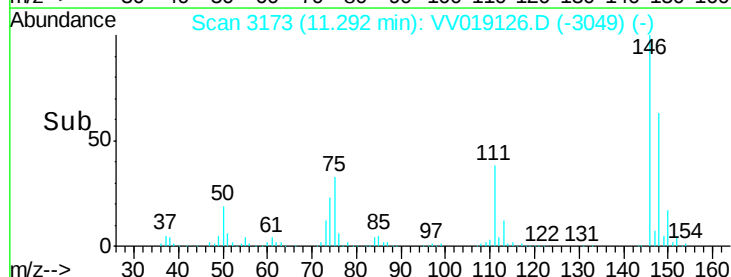
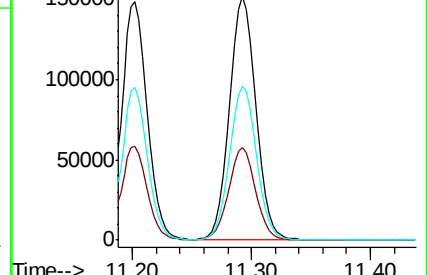
148 63.2 45.1 83.9

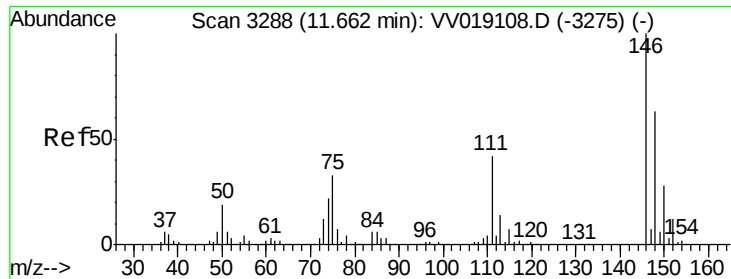


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 48.205 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. -0.00 min

Lab File: VV019126.D

Acq: 27 Oct 2020 10:40

Instrument :

MSVOA_V

ClientSampleId :

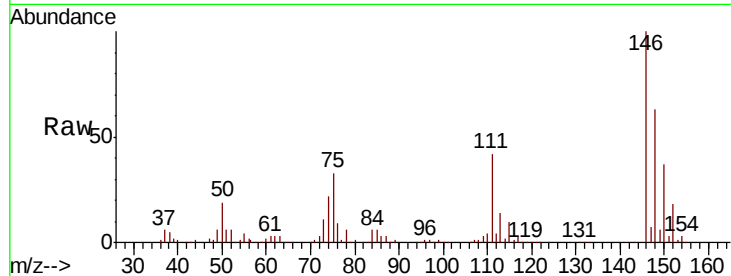
Tot Ion:146 Resp: 222385

Ion Ratio Lower Upper

146 100

111 42.0 33.3 49.9

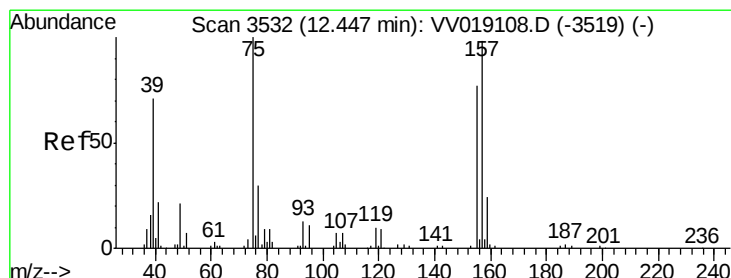
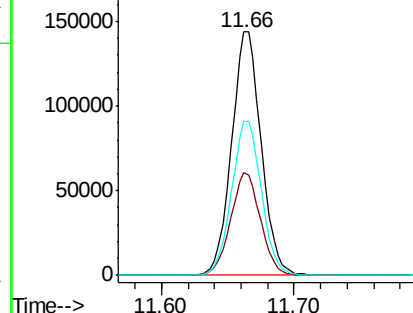
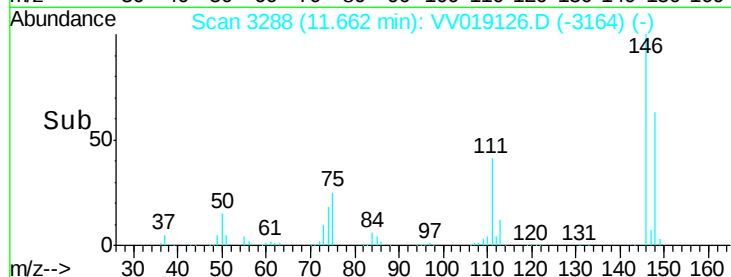
148 63.1 51.1 76.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 46.304 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV019126.D

Acq: 27 Oct 2020 10:40

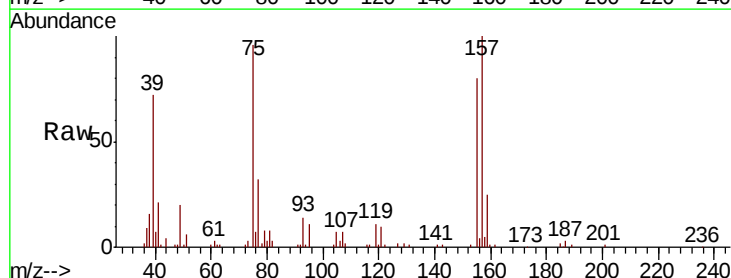
Tgt Ion: 75 Resp: 37740

Ion Ratio Lower Upper

75 100

155 84.0 62.2 93.4

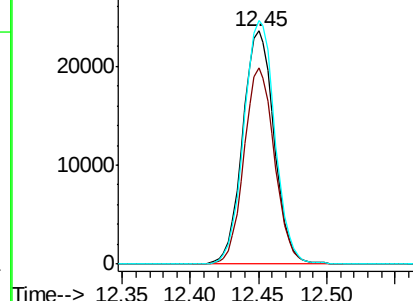
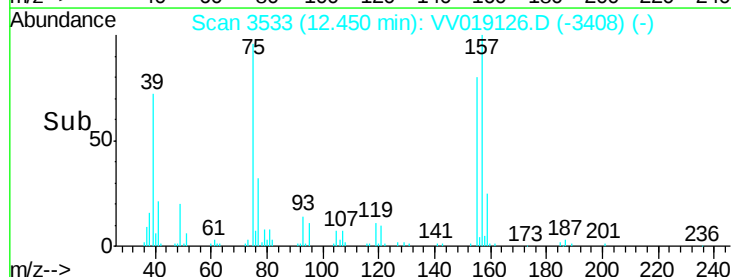
157 104.4 79.9 119.9

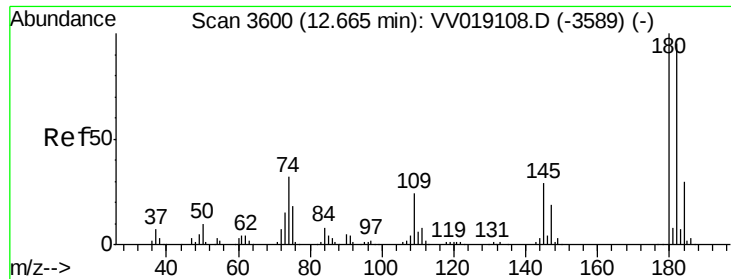


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

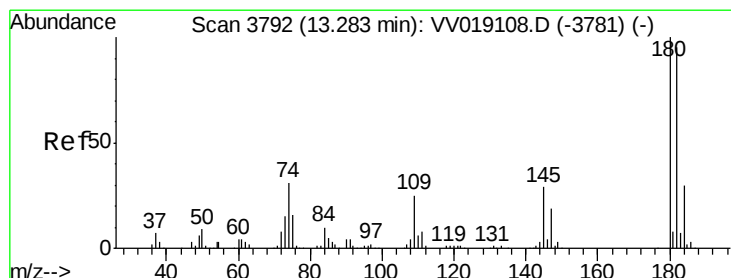
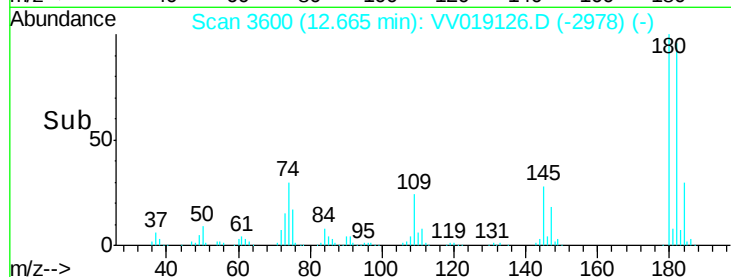
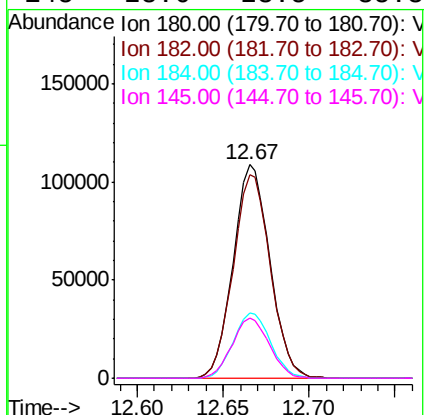
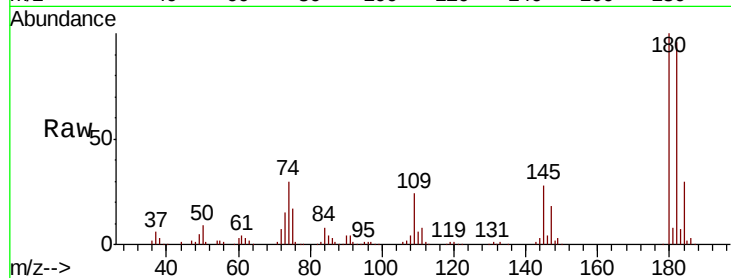




#67
 1,3,5-Trichlorobenzene
 Concen: 51.677 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV019126.D
 Acq: 27 Oct 2020 10:40

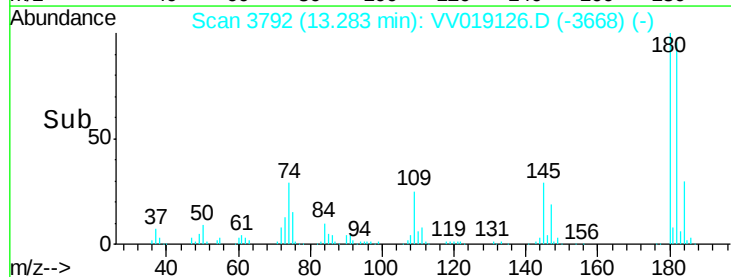
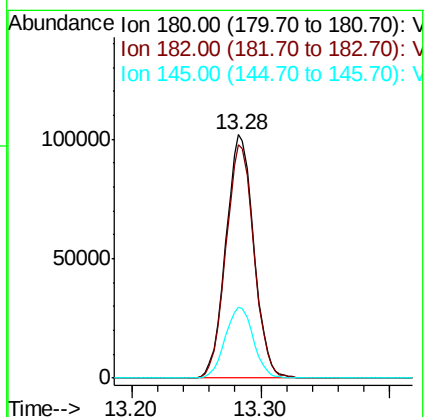
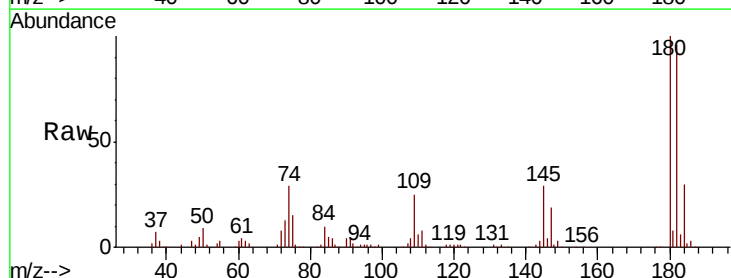
Instrument :
 MSVOA_V
 ClientSampleId :

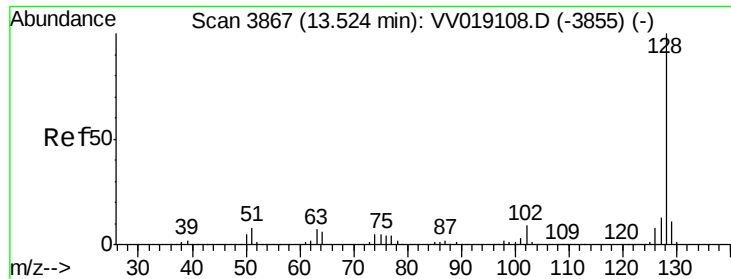
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	77.4	116.0
184	31.2	24.7	37.1
145	28.6	23.5	35.3



#68
 1,2,4-trichlorobenzene
 Concen: 51.955 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV019126.D
 Acq: 27 Oct 2020 10:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.4	116.2
145	29.3	23.7	35.5





#69

Naphthalene

Concen: 50.801 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV019126.D

Acq: 27 Oct 2020 10:40

Instrument :

MSVOA_V

ClientSampleId :

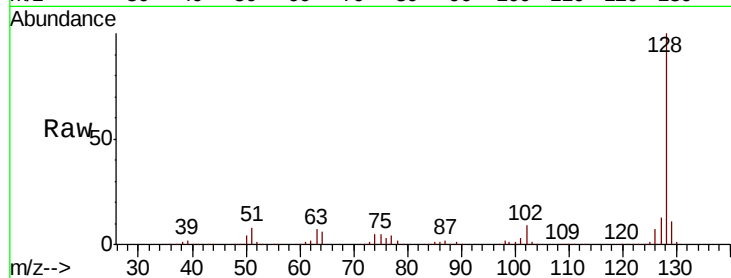
Tot Ion:128 Resp: 461150

Ion Ratio Lower Upper

128 100

127 13.4 10.6 15.8

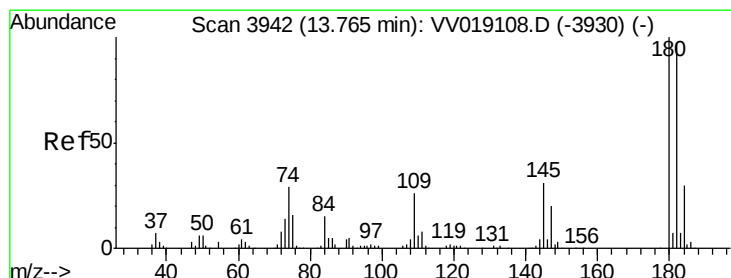
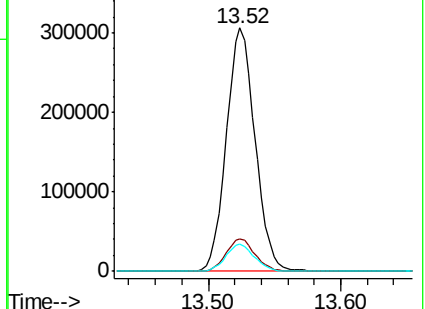
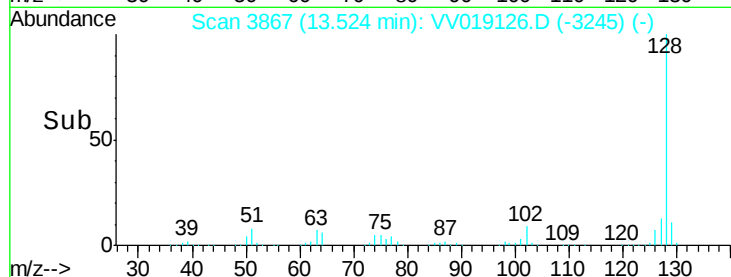
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 51.004 ug/L

RT: 13.76 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV019126.D

Acq: 27 Oct 2020 10:40

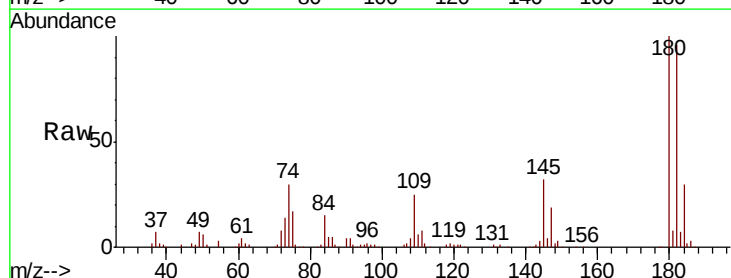
Tgt Ion:180 Resp: 152253

Ion Ratio Lower Upper

180 100

182 96.1 76.9 115.3

145 31.7 25.6 38.4



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

