

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101320\
 Data File : VV018886.D
 Acq On : 13 Oct 2020 19:00
 Operator : SY/MD
 Sample : L4351-05
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AJ2

Quant Time: Oct 14 01:37:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 14 01:28:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	331242	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	330335	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	148984	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	114916	38.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.36%
7) Chloroethane-d5	1.58	69	95505	39.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.84%
11) 1,1-Dichloroethene-d2	2.12	63	176631	30.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.88%
21) 2-Butanone-d5	3.90	46	183030	99.04	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.04%
24) Chloroform-d	4.37	84	224072	42.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.40%
26) 1,2-Dichloroethane-d4	5.05	65	157653	43.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.60%
32) Benzene-d6	5.07	84	444789	41.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.68%
36) 1,2-Dichloropropane-d6	6.09	67	147788	42.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.26%
41) Toluene-d8	7.34	98	392097	41.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.10%
43) trans-1,3-Dichloropropene-	7.64	79	65773	38.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.64%
47) 2-Hexanone-d5	8.11	63	99958	82.27	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.27%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	163329	40.96	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	81.92%
64) 1,2-Dichlorobenzene-d4	11.65	152	155645	47.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.40%

Target Compounds

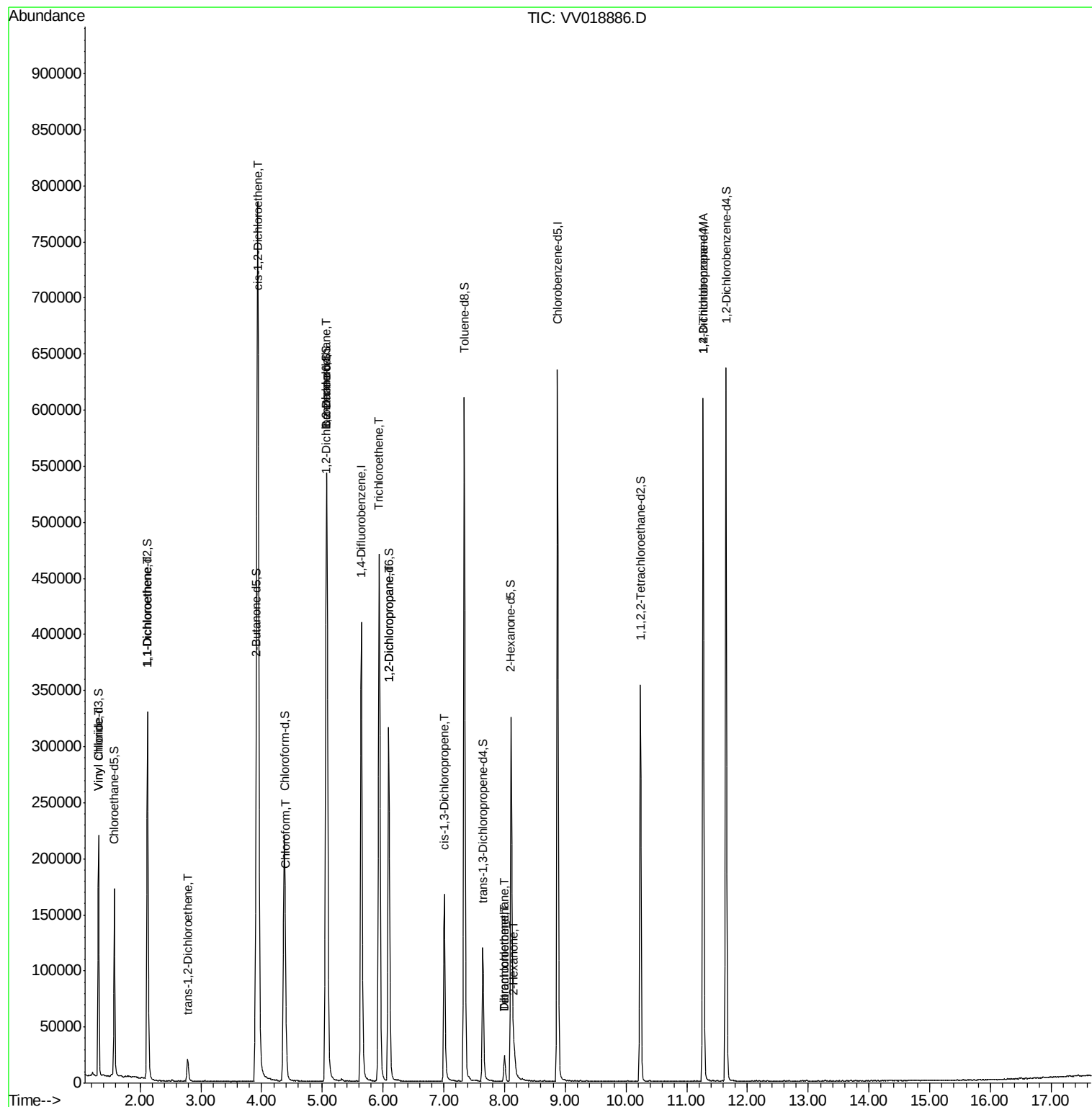
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	19356	6.618	ug/L	87
12) 1,1-Dichloroethene	2.13	96	7572	3.303	ug/L #	1
17) trans-1,2-Dichloroethene	2.78	96	5682	2.348	ug/L	94
20) cis-1,2-Dichloroethene	3.94	96	412003	161.100	ug/L	100
25) Chloroform	4.40	83	5410	1.110	ug/L	90
27) 1,2-Dichloroethane	5.07	62	3341	0.843	ug/L	98
34) Trichloroethene	5.94	95	155438	51.533	ug/L	99
37) 1,2-Dichloropropane	6.09	63	17090	5.937	ug/L #	88
39) cis-1,3-Dichloropropene	7.01	75	4253	1.046	ug/L #	61
46) Tetrachloroethene	8.00	164	5248	2.374	ug/L	96
48) 2-Hexanone	8.16	43	16927	5.732	ug/L #	89
49) Dibromochloromethane	8.00	129	4917	1.740	ug/L #	10
59) 1,2,3-Trichloropropane	11.27	75	18779	5.482	ug/L	92

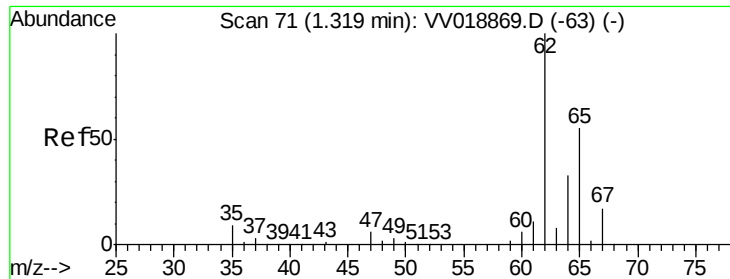
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 14 01:28:12 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 6.618 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018886.D

Acq: 13 Oct 2020 19:00

Instrument :

MSVOA_V

ClientSampleId :

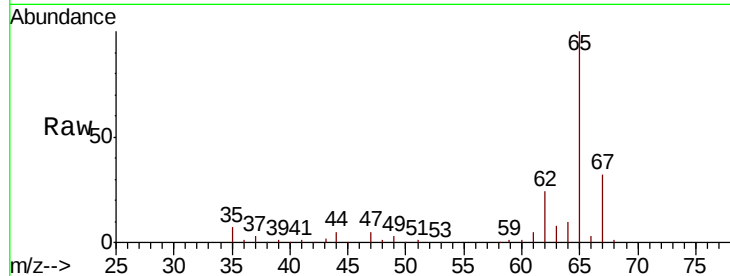
C0AJ2

Tot Ion: 62 Resp: 19356

Ion Ratio Lower Upper

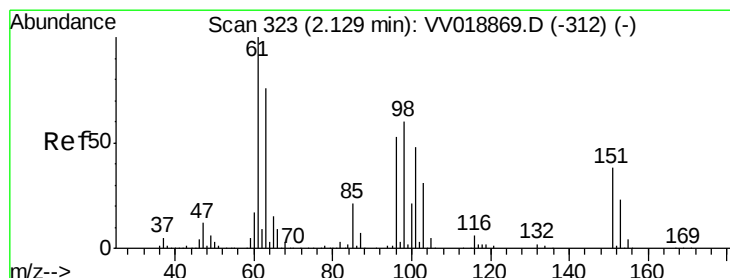
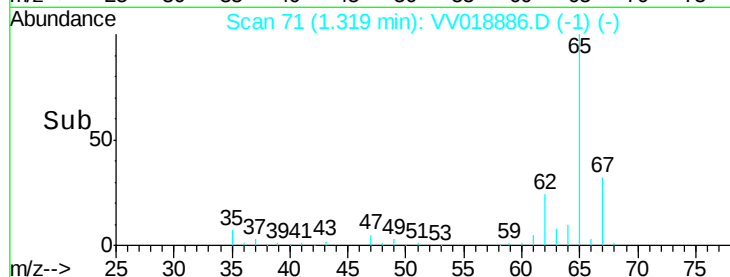
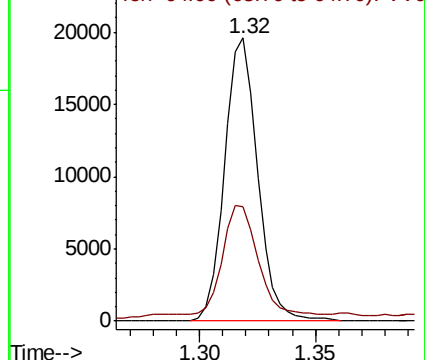
62 100

64 40.6 23.2 43.0



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#12

1,1-Dichloroethene

Concen: 3.303 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018886.D

Acq: 13 Oct 2020 19:00

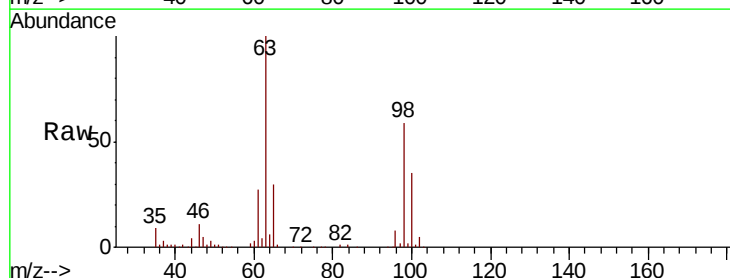
Tgt Ion: 96 Resp: 7572

Ion Ratio Lower Upper

96 100

61 327.4 133.6 248.0#

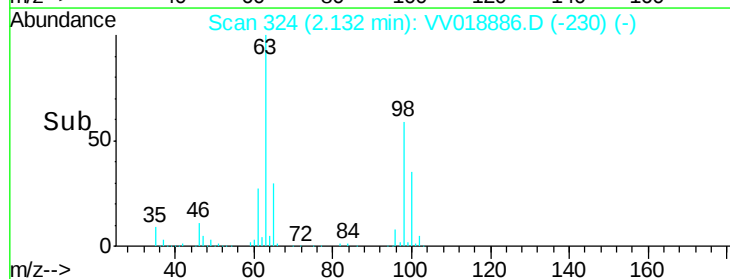
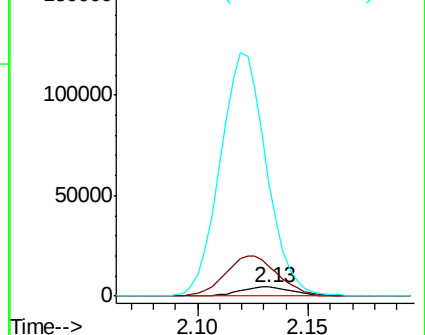
63 1230.1 108.4 201.4#

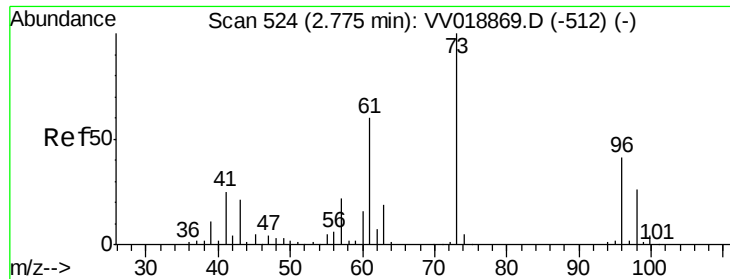


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

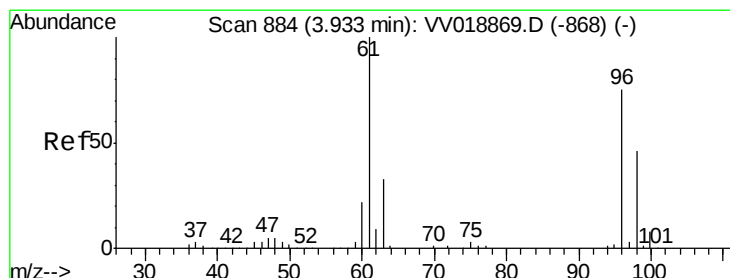
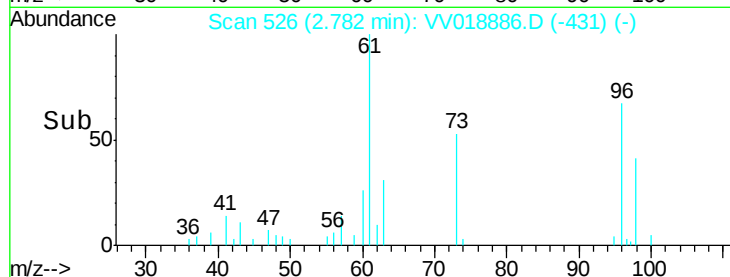
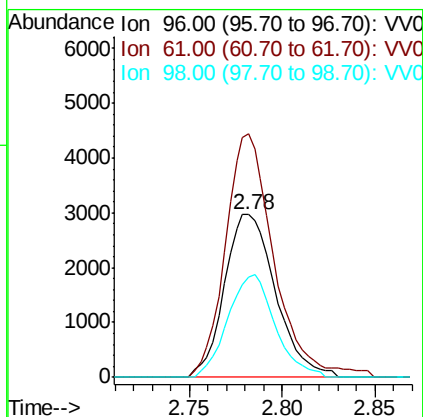
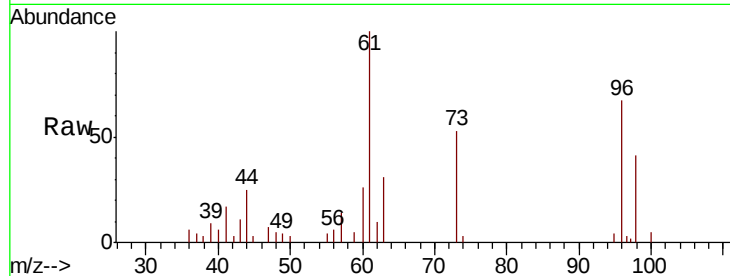




#17
trans-1,2-Dichloroethene
Concen: 2.348 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.01 min
Lab File: VV018886.D
Acq: 13 Oct 2020 19:00

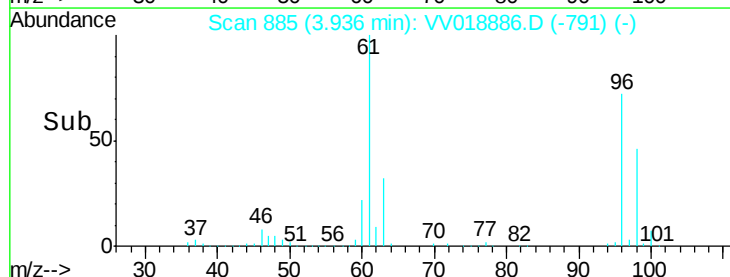
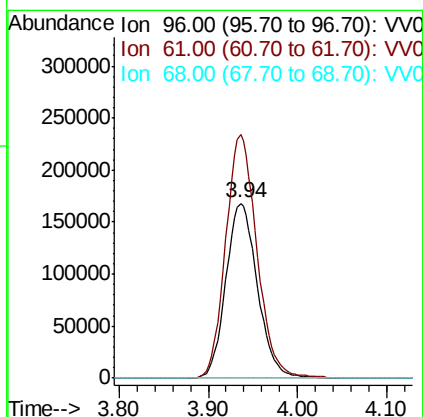
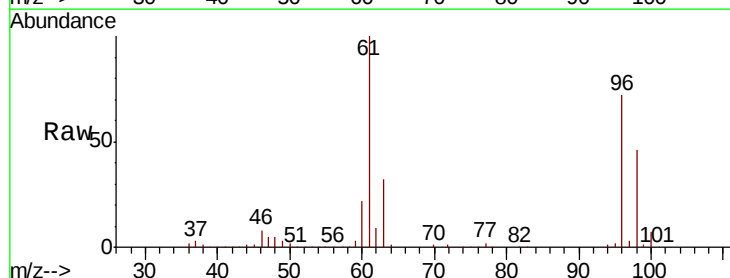
Instrument :
MSVOA_V
ClientSampleId :
C0AJ2

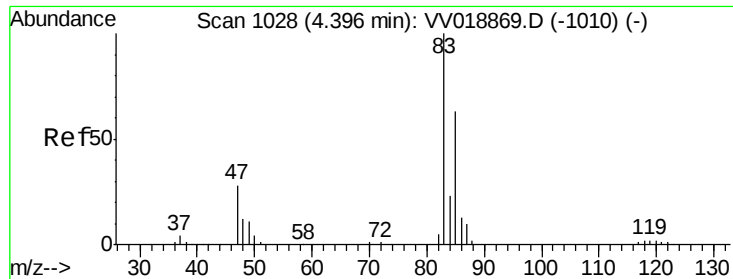
Tot Ion: 96 Resp: 5682
Ion Ratio Lower Upper
96 100
61 143.3 105.7 196.3
98 59.1 44.7 83.1



#20
cis-1,2-Dichloroethene
Concen: 161.100 ug/L
RT: 3.94 min Scan# 885
Delta R.T. 0.00 min
Lab File: VV018886.D
Acq: 13 Oct 2020 19:00

Tgt Ion: 96 Resp: 412003
Ion Ratio Lower Upper
96 100
61 139.4 97.3 180.7
68 0.0 0.0 0.0

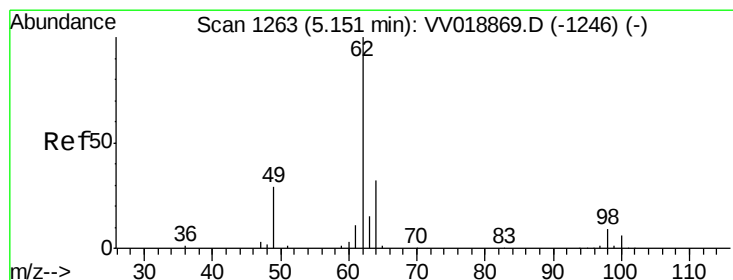
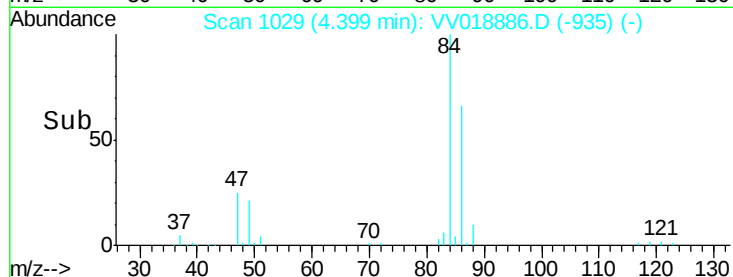
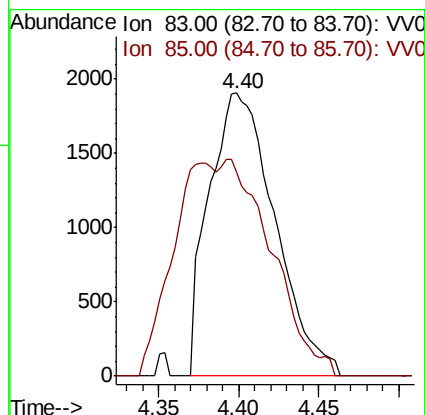
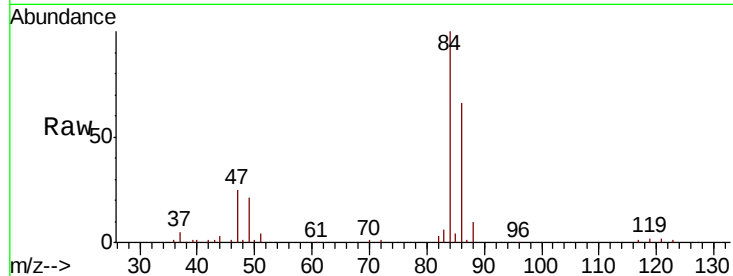




#25
Chloroform
Concen: 1.110 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV018886.D
Acq: 13 Oct 2020 19:00

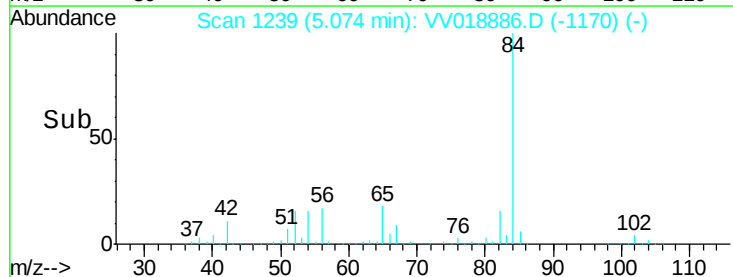
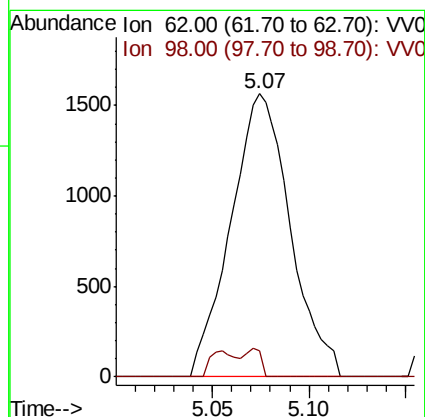
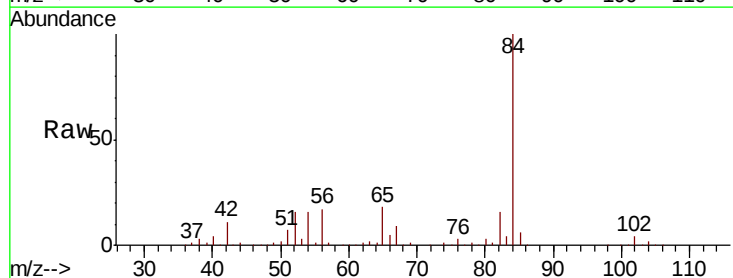
Instrument :
MSVOA_V
ClientSampleId :
C0AJ2

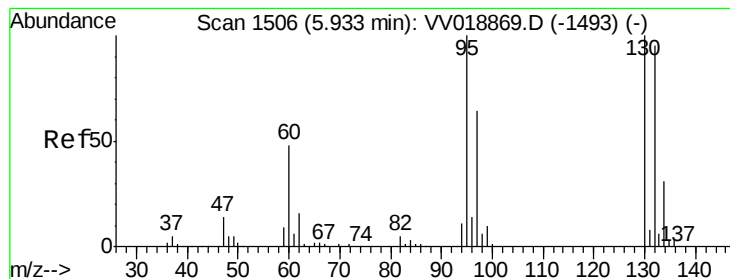
Tot Ion: 83 Resp: 5410
Ion Ratio Lower Upper
83 100
85 72.0 45.0 83.6



#27
1,2-Dichloroethane
Concen: 0.843 ug/L
RT: 5.07 min Scan# 1239
Delta R.T. -0.08 min
Lab File: VV018886.D
Acq: 13 Oct 2020 19:00

Tgt Ion: 62 Resp: 3341
Ion Ratio Lower Upper
62 100
98 9.1 6.6 10.0





#34

Trichloroethene

Concen: 51.533 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV018886.D

Acq: 13 Oct 2020 19:00

Instrument :

MSVOA_V

ClientSampleId :

C0AJ2

Tot Ion: 95 Resp: 155438

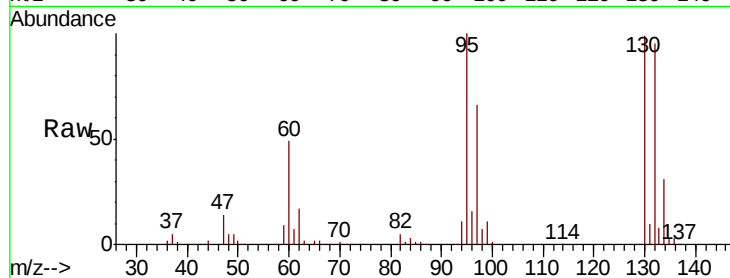
Ion Ratio Lower Upper

95 100

97 65.7 45.1 83.9

132 94.7 66.2 123.0

130 99.4 69.1 128.3

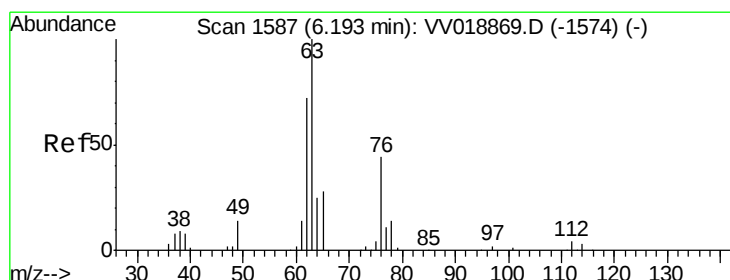
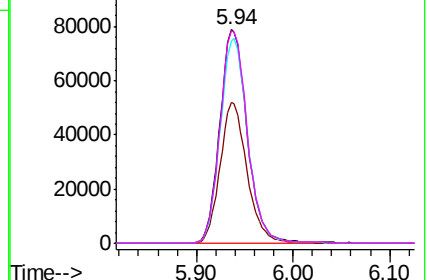
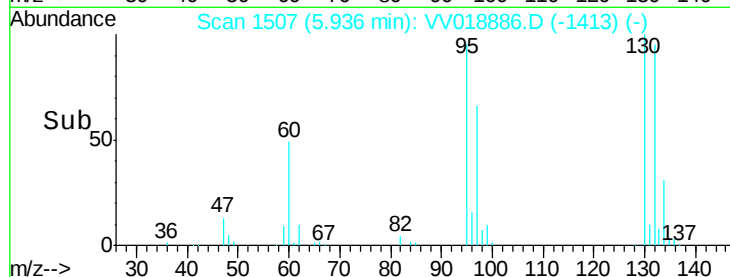


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#37

1,2-Dichloropropane

Concen: 5.937 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.10 min

Lab File: VV018886.D

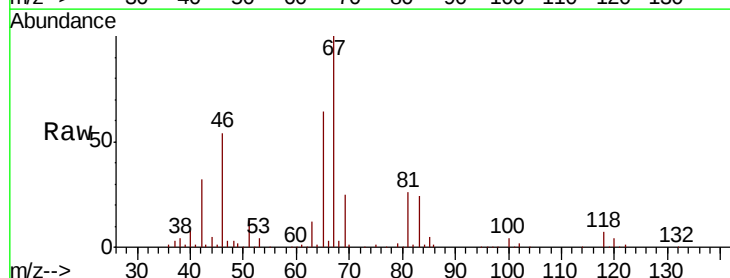
Acq: 13 Oct 2020 19:00

Tgt Ion: 63 Resp: 17090

Ion Ratio Lower Upper

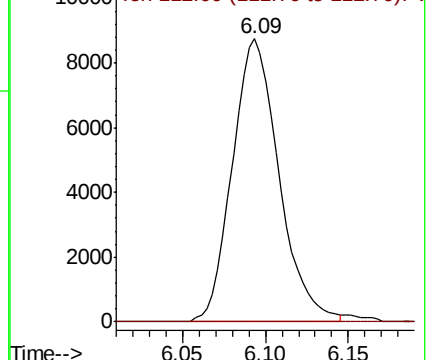
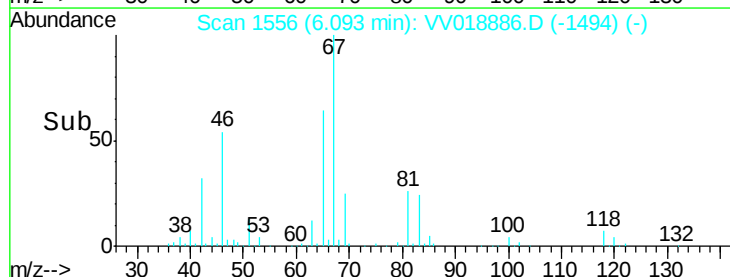
63 100

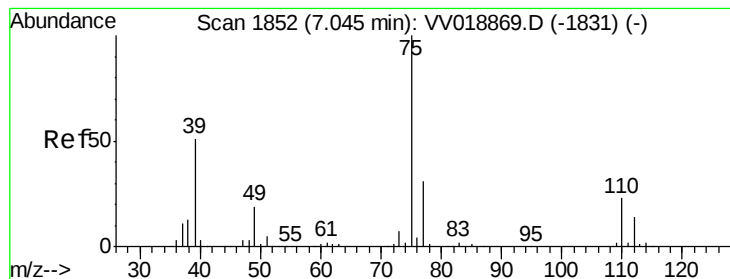
112 0.2 3.4 5.2#



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V





#39

cis-1,3-Dichloropropene

Concen: 1.046 ug/L

RT: 7.01 min Scan# 1841

Delta R.T. -0.04 min

Lab File: VV018886.D

Acq: 13 Oct 2020 19:00

Instrument :

MSVOA_V

ClientSampled :

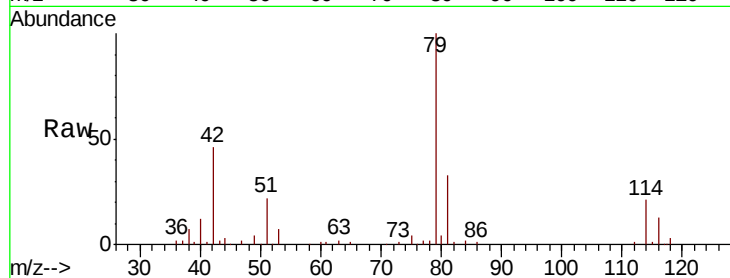
C0AJ2

Tot Ion: 75 Resp: 4253

Ion Ratio Lower Upper

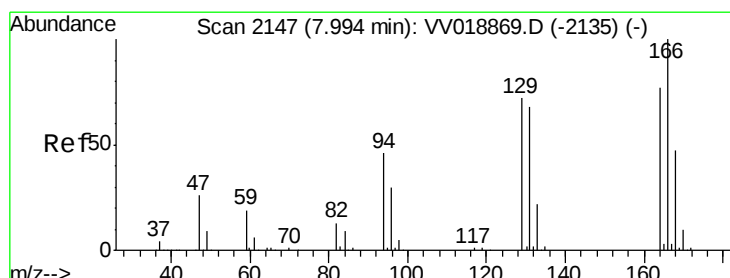
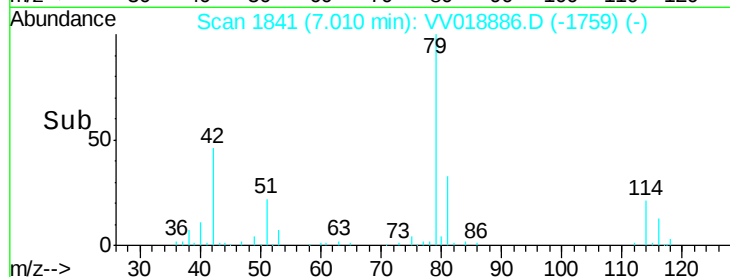
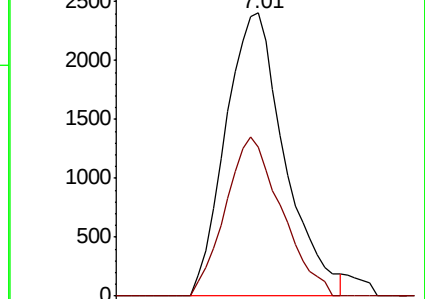
75 100

77 52.7 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VV018886.D (-1759) (-)

Ion 77.00 (76.70 to 77.70): VV018886.D (-1759) (-)



#46

Tetrachloroethene

Concen: 2.374 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.01 min

Lab File: VV018886.D

Acq: 13 Oct 2020 19:00

Tgt Ion: 164 Resp: 5248

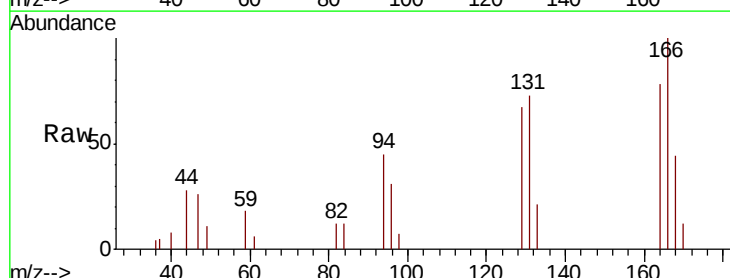
Ion Ratio Lower Upper

164 100

129 86.3 64.6 120.0

131 94.6 63.6 118.0

166 128.8 88.3 164.1

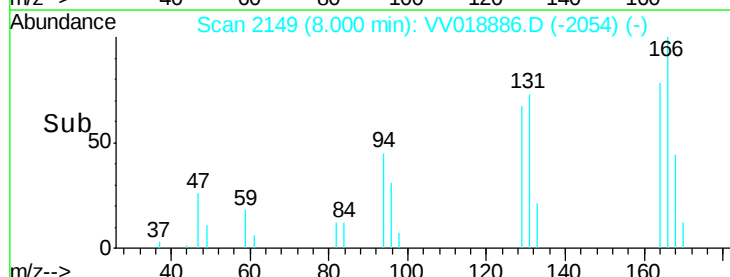
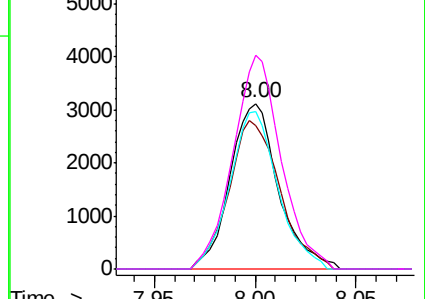


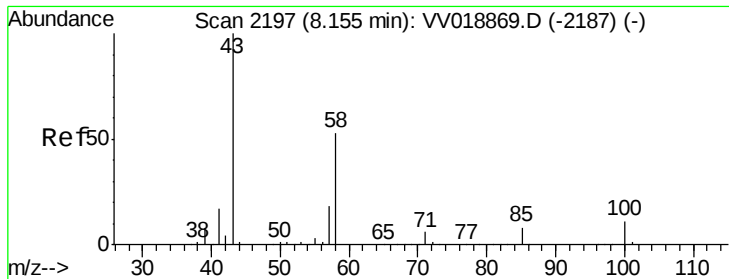
Abundance Ion 164.00 (163.70 to 164.70): VV018886.D (-2054) (-)

Ion 129.00 (128.70 to 129.70): VV018886.D (-2054) (-)

Ion 131.00 (130.70 to 131.70): VV018886.D (-2054) (-)

Ion 166.00 (165.70 to 166.70): VV018886.D (-2054) (-)

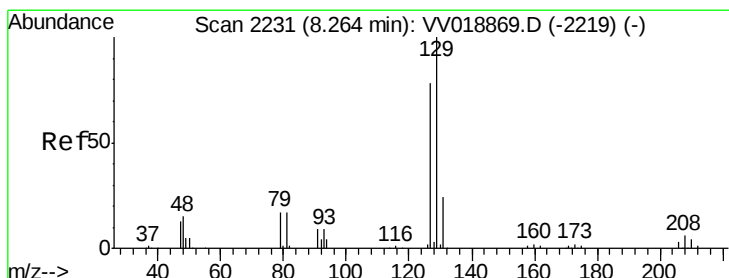
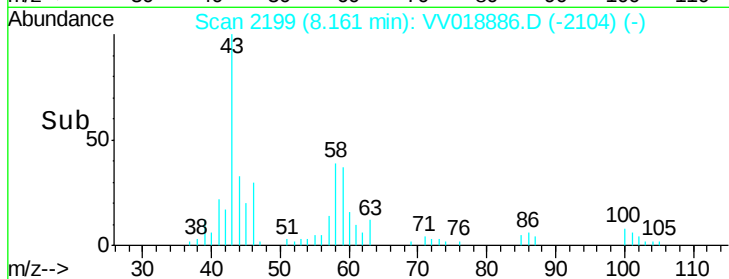
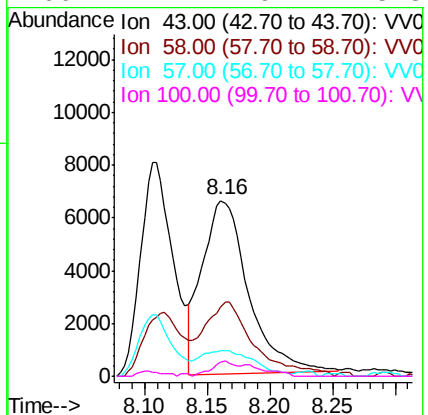
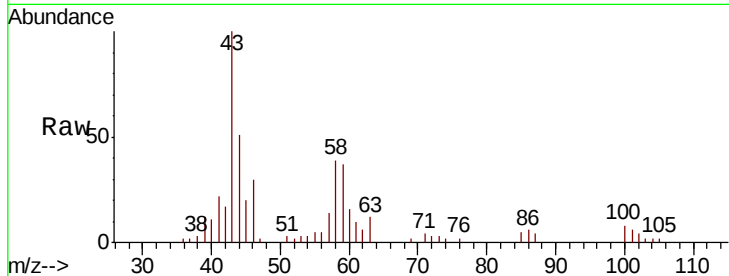




#48
2-Hexanone
Concen: 5.732 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.01 min
Lab File: VV018886.D
Acq: 13 Oct 2020 19:00

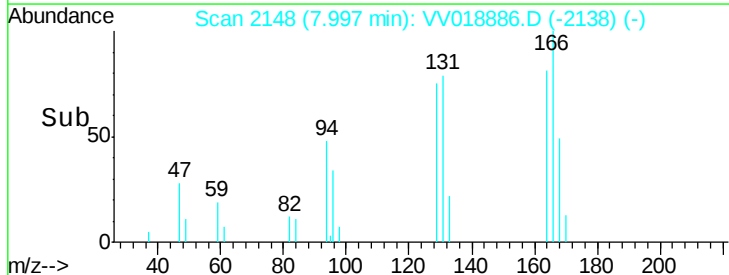
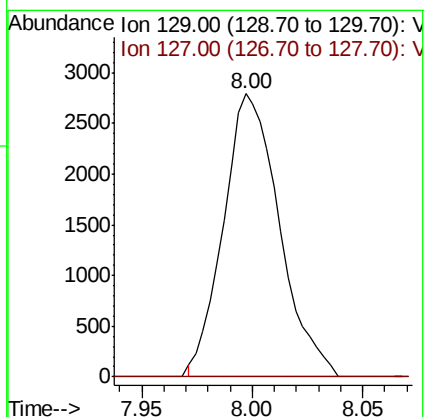
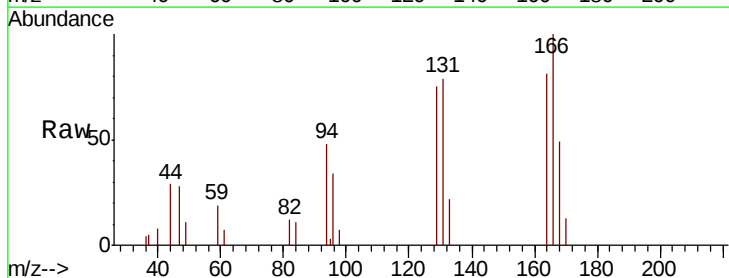
Instrument :
MSVOA_V
ClientSampleId :
C0AJ2

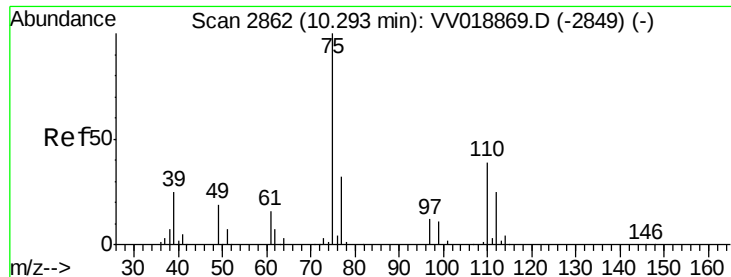
Tot Ion: 43 Resp: 16927
Ion Ratio Lower Upper
43 100
58 45.3 41.8 62.8
57 15.4 14.9 22.3
100 4.4 9.2 13.8#



#49
Dibromochloromethane
Concen: 1.740 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV018886.D
Acq: 13 Oct 2020 19:00

Tgt Ion: 129 Resp: 4917
Ion Ratio Lower Upper
129 100
127 0.0 55.3 102.7#





#59

1,2,3-Trichloropropane

Concen: 5.482 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018886.D

Acq: 13 Oct 2020 19:00

Instrument :

MSVOA_V

ClientSampleId :

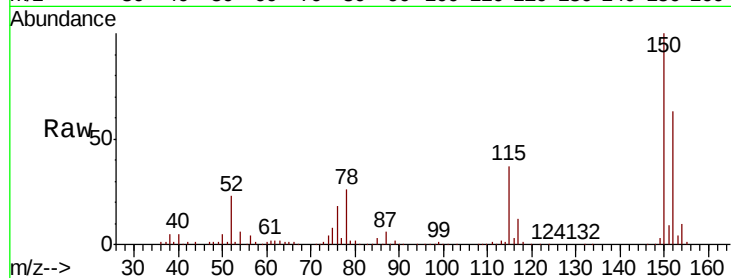
C0AJ2

Tot Ion: 75 Resp: 18779

Ion Ratio Lower Upper

75 100

77 36.8 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

