

Data File : VV014434.D
Acq On : 30 Jan 2020 14:29
Operator : SY/MD
Sample : L1324-22
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAT76

Quant Time: Jan 31 07:47:55 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR012920WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jan 31 07:45:41 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	222563	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	204686	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	97183	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.33	65	79610	6.19	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	123.80%
7) Chloroethane-d5	1.59	69	48837	5.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.80%
11) 1,1-Dichloroethene-d2	2.14	63	74375	3.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.40%
20) 2-Butanone-d5	3.93	46	147266	56.75	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.50%
24) Chloroform-d	4.40	84	125549	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
26) 1,2-Dichloroethane-d4	5.08	65	64767	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.60%
32) Benzene-d6	5.10	84	292305	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
36) 1,2-Dichloropropane-d6	6.12	67	88528	5.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.60%
41) Toluene-d8	7.36	98	268563	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
43) trans-1,3-Dichloropropene-	7.66	79	35935	4.95	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.00%
46) 2-Hexanone-d5	8.15	63	129727	49.08	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.16%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	61115	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	89631	5.14	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.80%

Target Compounds

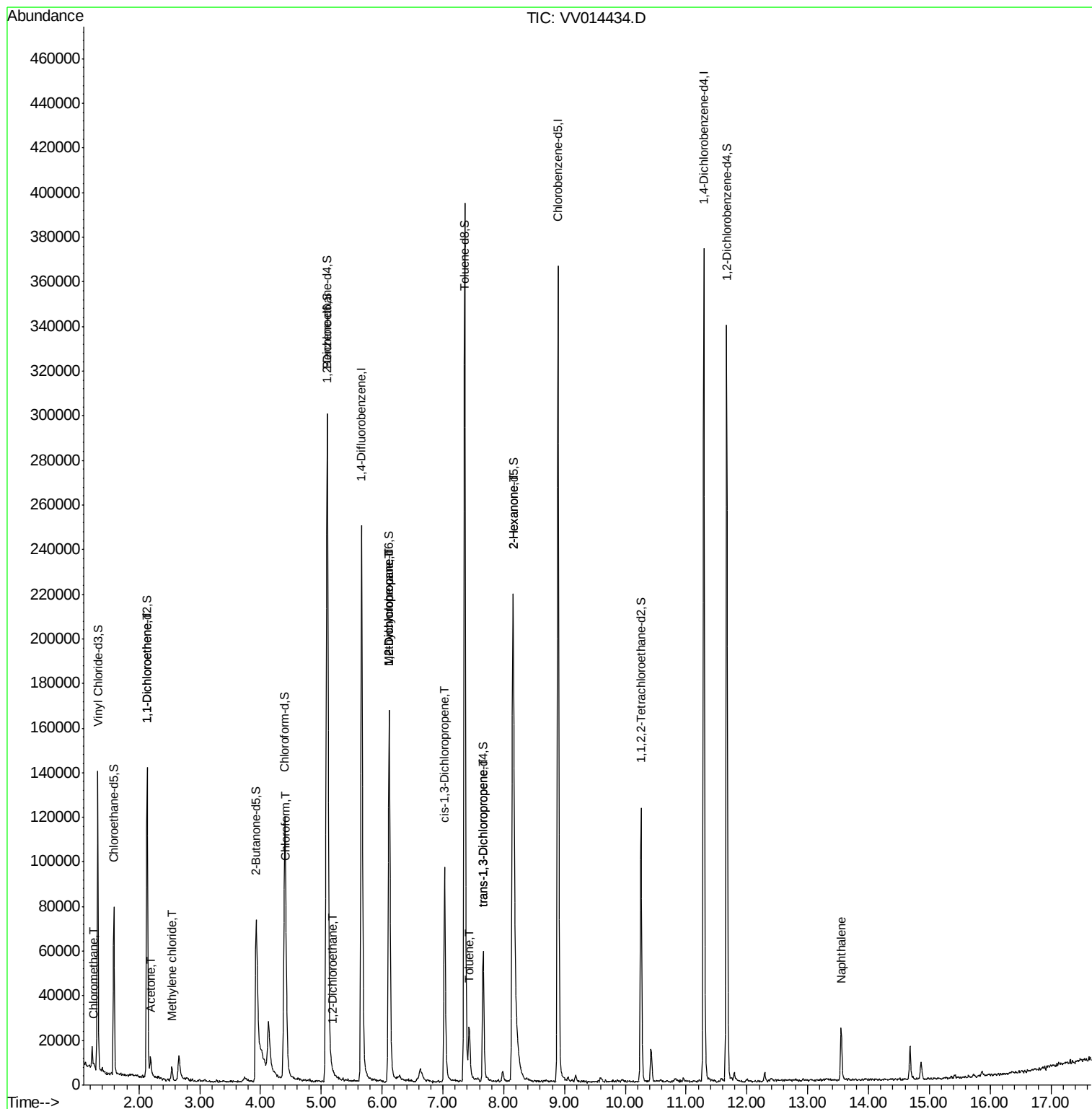
					Qvalue
3) Chloromethane	1.26	50	1077	0.078 ug/L #	68
12) 1,1-Dichloroethene	2.13	96	642	0.072 ug/L #	1
13) Acetone	2.19	43	6661	4.200 ug/L	73
16) Methylene chloride	2.54	84	2575	0.148 ug/L	95
25) Chloroform	4.43	83	11516	0.405 ug/L	95
27) 1,2-Dichloroethane	5.19	62	930	0.061 ug/L #	72
35) Methylcyclohexane	6.12	83	20579	0.711 ug/L #	20
37) 1,2-Dichloropropane	6.12	63	9485	0.601 ug/L #	87
39) cis-1,3-Dichloropropene	7.03	75	2414	0.101 ug/L #	50
42) Toluene	7.43	91	16166	0.237 ug/L	93
44) trans-1,3-Dichloropropene	7.66	75	1712	0.095 ug/L	89
48) 2-Hexanone	8.16	43	13951	2.312 ug/L #	75
69) Naphthalene	13.55	128	19203	0.557 ug/L	97

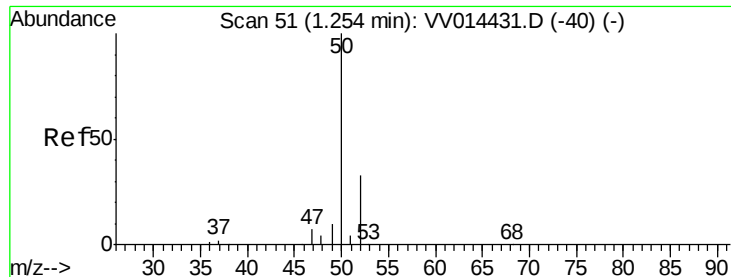
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.078 ug/L

RT: 1.26 min Scan# 53

Delta R.T. 0.01 min

Lab File: VV014434.D

Acq: 30 Jan 2020 14:29

Instrument :

MSVOA_V

ClientSampled :

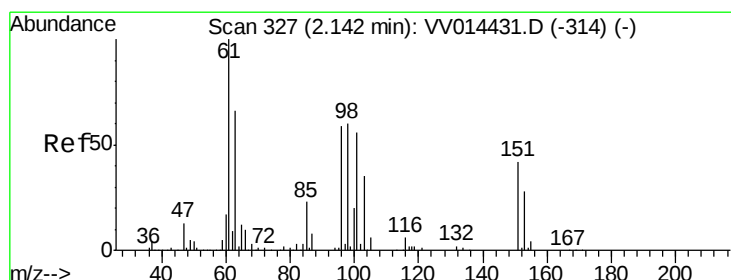
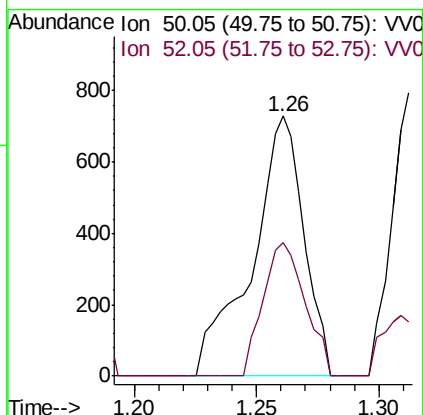
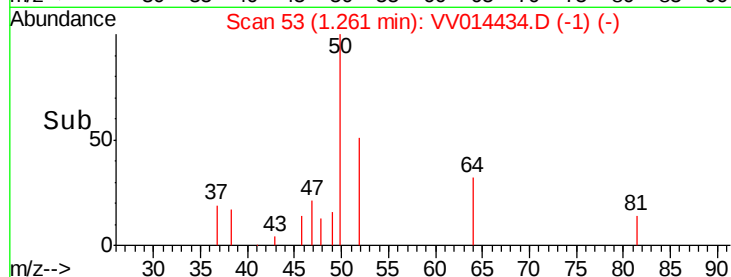
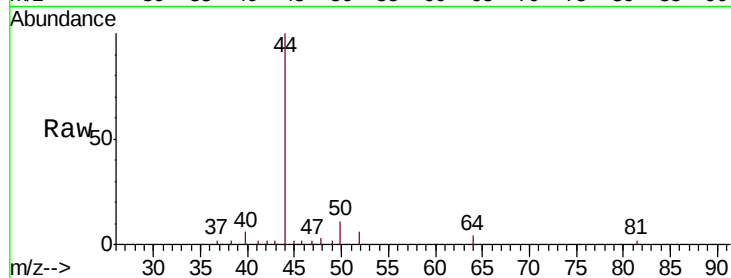
GAT76

Tgt Ion: 50 Resp: 1077

Ion Ratio Lower Upper

50 100

52 51.4 23.4 43.6#



#12

1,1-Dichloroethene

Concen: 0.072 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV014434.D

Acq: 30 Jan 2020 14:29

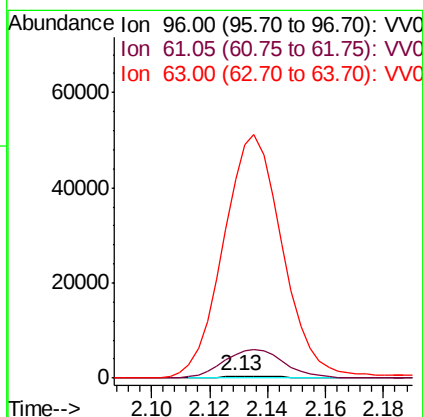
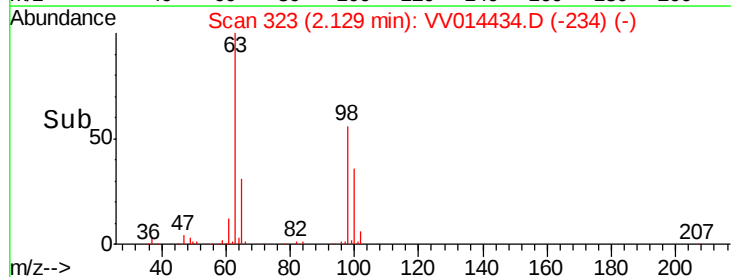
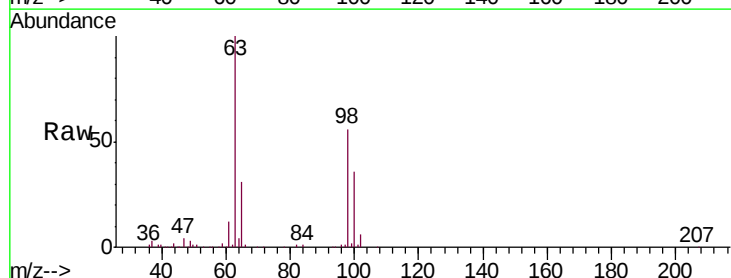
Tgt Ion: 96 Resp: 642

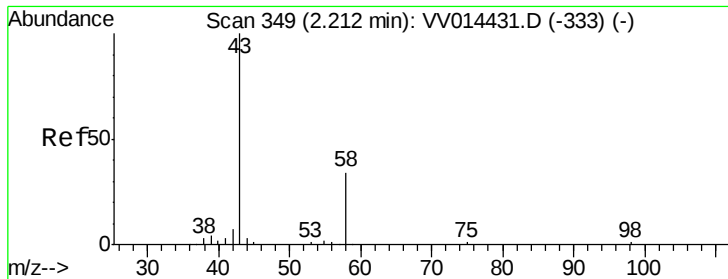
Ion Ratio Lower Upper

96 100

61 1122.6 120.0 223.0#

63 9247.0 82.4 153.0#





#13

Acetone

Concen: 4.200 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.02 min

Lab File: VV014434.D

Acq: 30 Jan 2020 14:29

Instrument :

MSVOA_V

ClientSampleId :

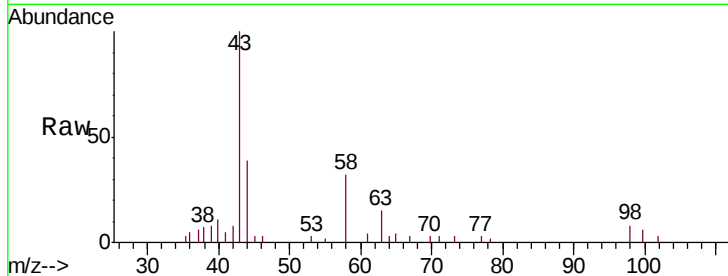
GAT76

Tgt Ion: 43 Resp: 6661

Ion Ratio Lower Upper

43 100

58 36.7 0.0 47.0



Abundance Ion 43.05 (42.75 to 43.75): VV014431.D (-333) (-)

Ion 58.05 (57.75 to 58.75): VV014431.D (-333) (-)

5000

4000

3000

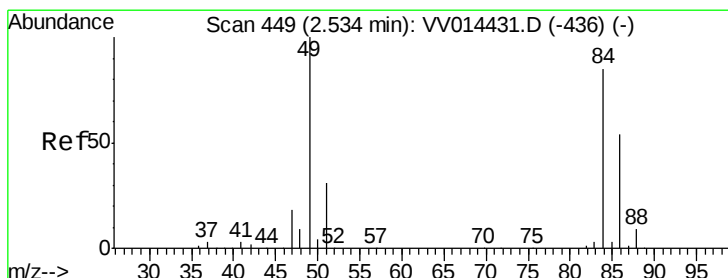
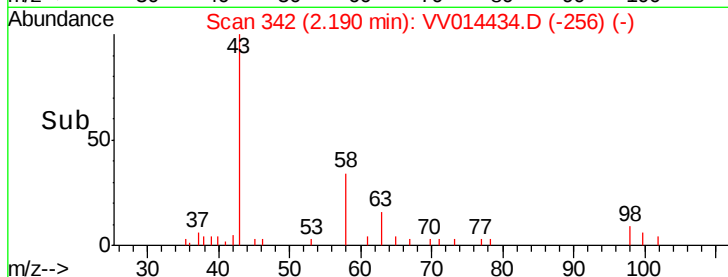
2000

1000

0

Time-->

2.10 2.15 2.20 2.25



#16

Methylene chloride

Concen: 0.148 ug/L

RT: 2.54 min Scan# 451

Delta R.T. 0.01 min

Lab File: VV014434.D

Acq: 30 Jan 2020 14:29

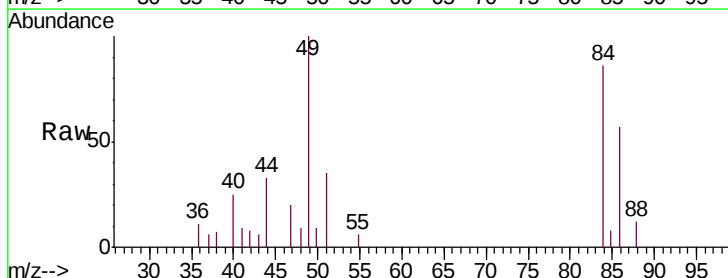
Tgt Ion: 84 Resp: 2575

Ion Ratio Lower Upper

84 100

86 66.5 45.6 84.6

49 116.1 86.1 159.9



Abundance Ion 84.05 (83.75 to 84.75): VV014431.D (-436) (-)

Ion 86.00 (85.70 to 86.70): VV014431.D (-436) (-)

Ion 49.10 (48.80 to 49.80): VV014431.D (-436) (-)

2500

2000

1500

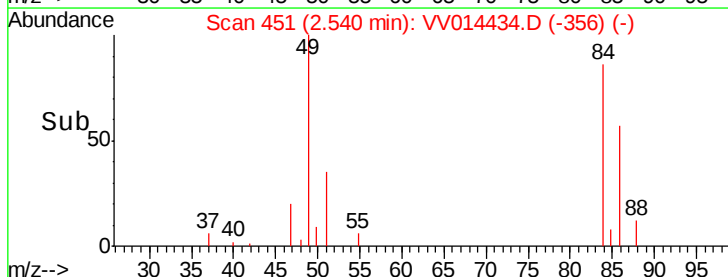
1000

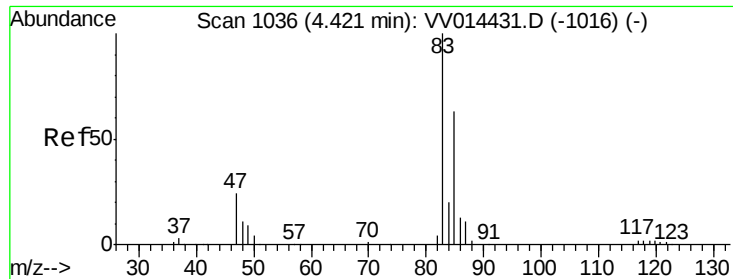
500

0

Time-->

2.50 2.55 2.60

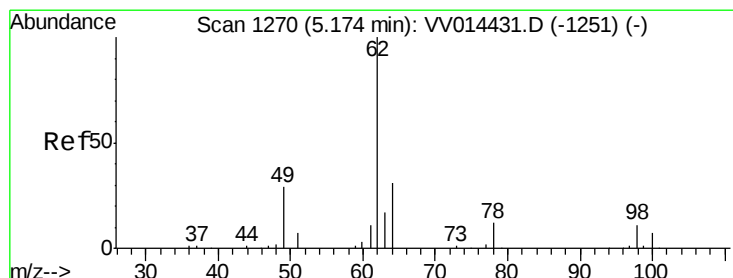
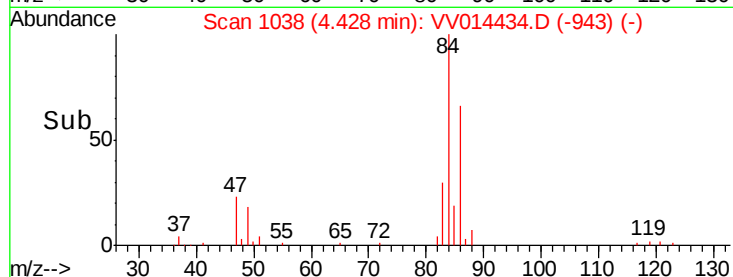
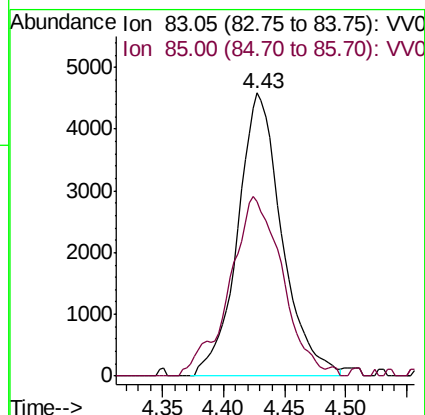
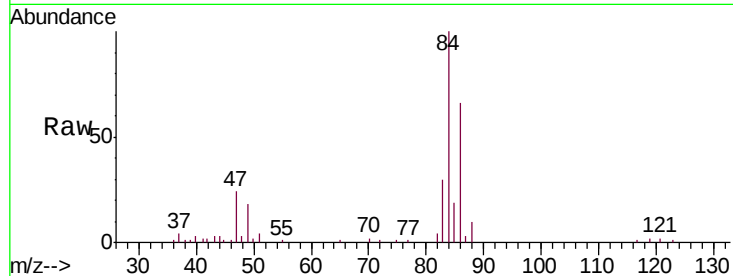




#25
Chloroform
Concen: 0.405 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VV014434.D
Acq: 30 Jan 2020 14:29

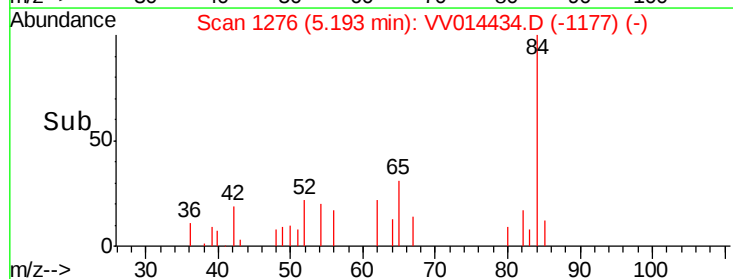
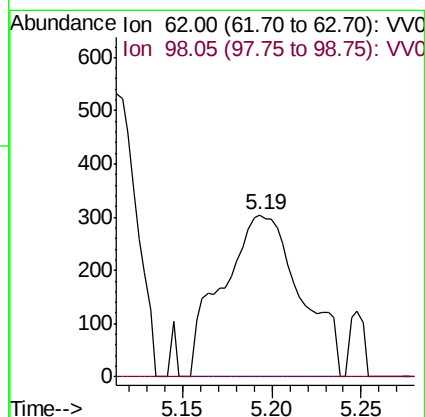
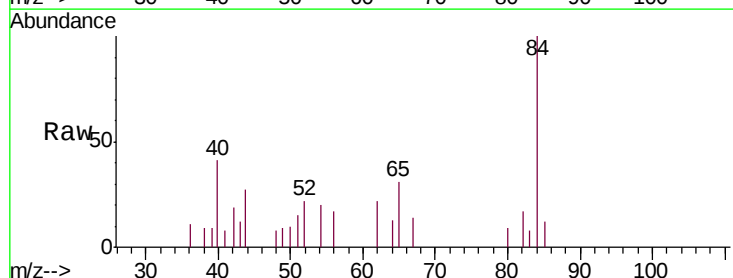
Instrument :
MSVOA_V
ClientSampled :
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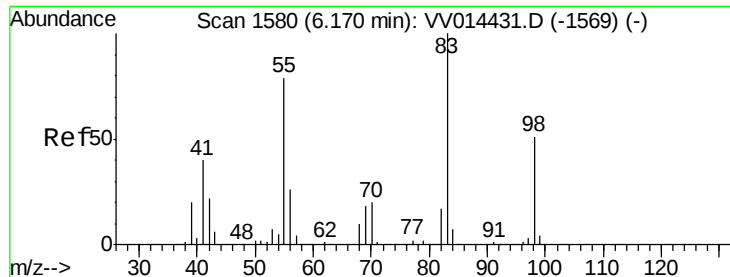
Tgt Ion: 83 Resp: 11516
Ion Ratio Lower Upper
83 100
85 61.8 45.9 85.3



#27
1,2-Dichloroethane
Concen: 0.061 ug/L
RT: 5.19 min Scan# 1276
Delta R.T. 0.02 min
Lab File: VV014434.D
Acq: 30 Jan 2020 14:29

Tgt Ion: 62 Resp: 930
Ion Ratio Lower Upper
62 100
98 0.0 8.5 12.7#

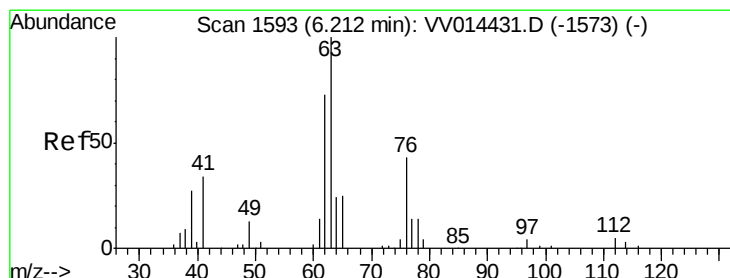
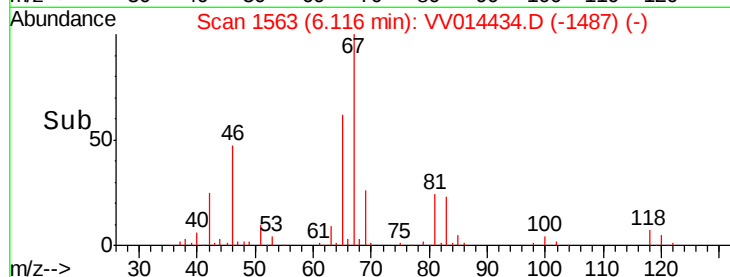
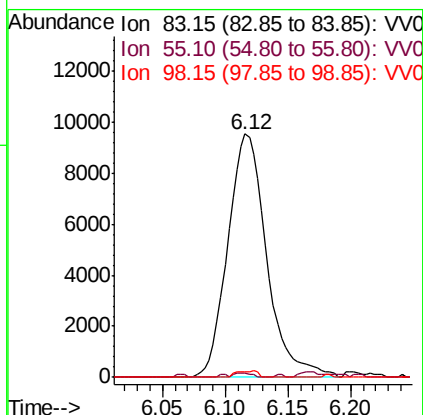
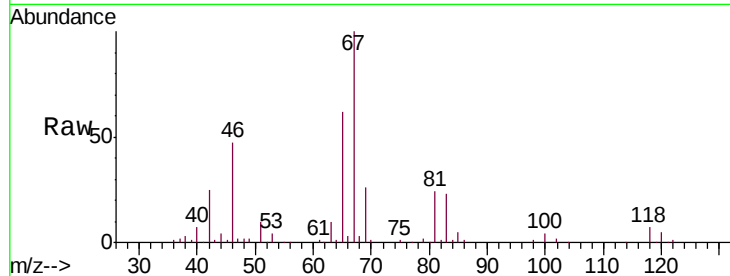




#35
Methylcyclohexane
Concen: 0.711 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.05 min
Lab File: VV014434.D
Acq: 30 Jan 2020 14:29

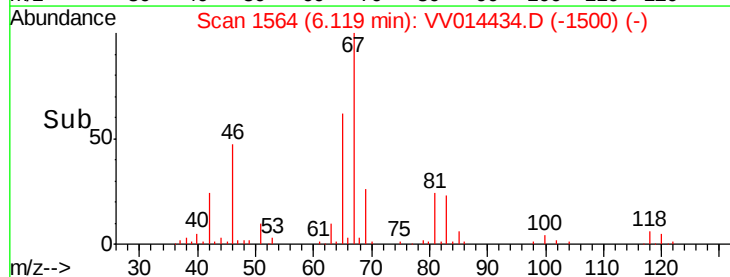
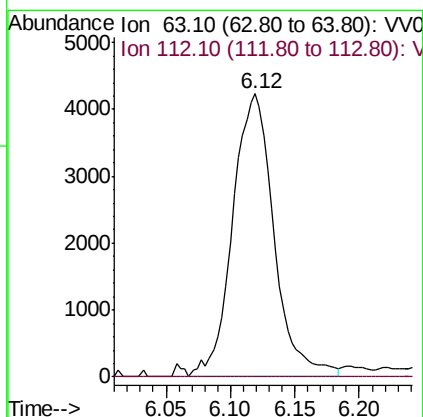
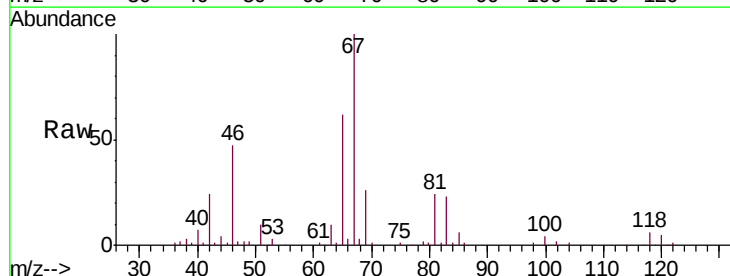
Instrument :
MSVOA_V
ClientSampleId :
GAT76

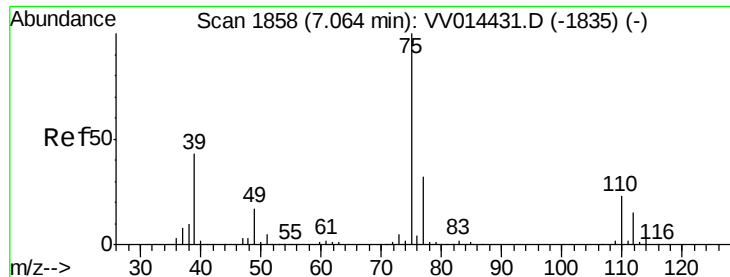
Tgt Ion: 83 Resp: 20579
Ion Ratio Lower Upper
83 100
55 0.8 61.3 91.9#
98 1.5 37.5 56.3#



#37
1,2-Dichloropropane
Concen: 0.601 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.09 min
Lab File: VV014434.D
Acq: 30 Jan 2020 14:29

Tgt Ion: 63 Resp: 9485
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#





#39

cis-1,3-Dichloropropene

Concen: 0.101 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.03 min

Lab File: VV014434.D

Acq: 30 Jan 2020 14:29

Instrument :

MSVOA_V

ClientSampled :

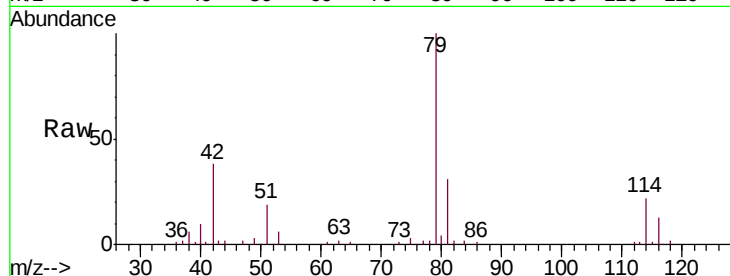
GAT76

Tgt Ion: 75 Resp: 2414

Ion Ratio Lower Upper

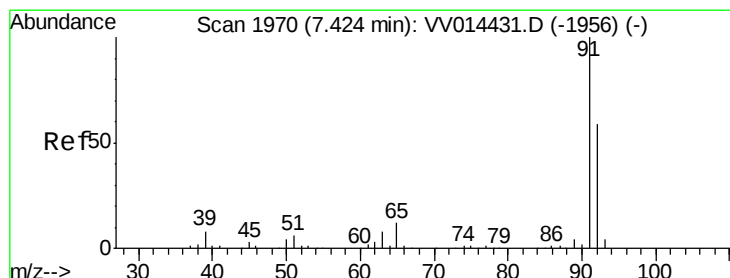
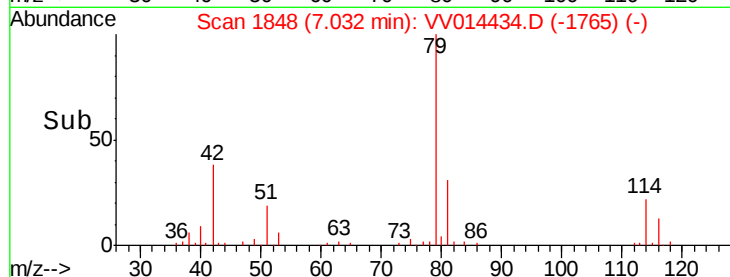
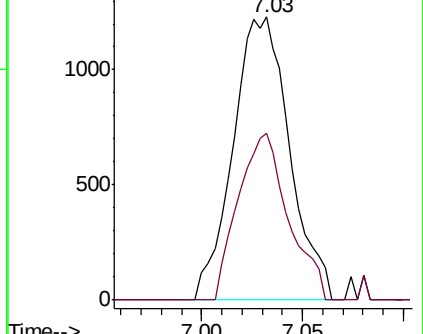
75 100

77 59.1 22.1 41.1#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#42

Toluene

Concen: 0.237 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VV014434.D

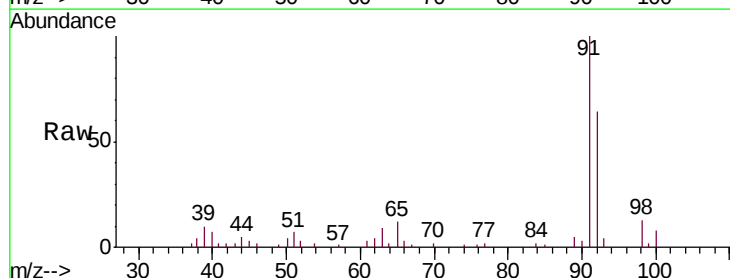
Acq: 30 Jan 2020 14:29

Tgt Ion: 91 Resp: 16166

Ion Ratio Lower Upper

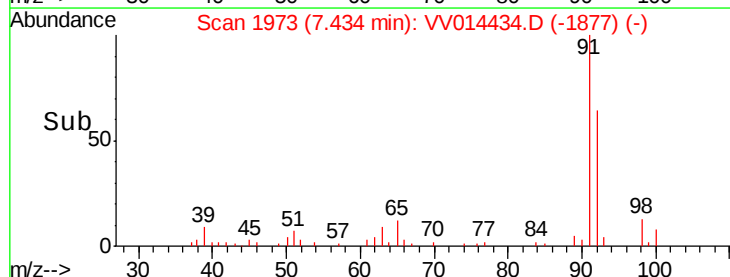
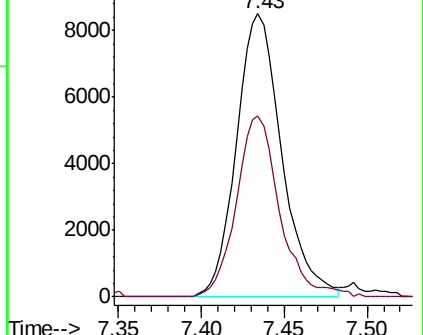
91 100

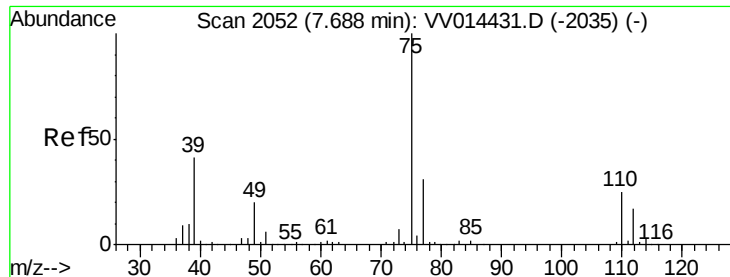
92 63.9 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0





#44

trans-1,3-Dichloropropene

Concen: 0.095 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV014434.D

Acq: 30 Jan 2020 14:29

Instrument :

MSVOA_V

ClientSampleId :

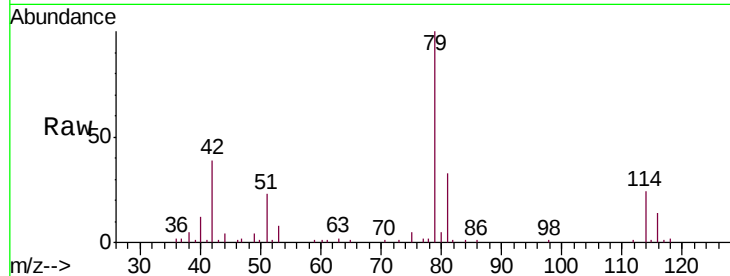
GAT76

Tgt Ion: 75 Resp: 1712

Ion Ratio Lower Upper

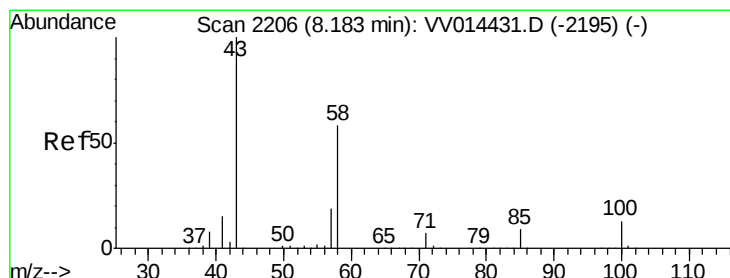
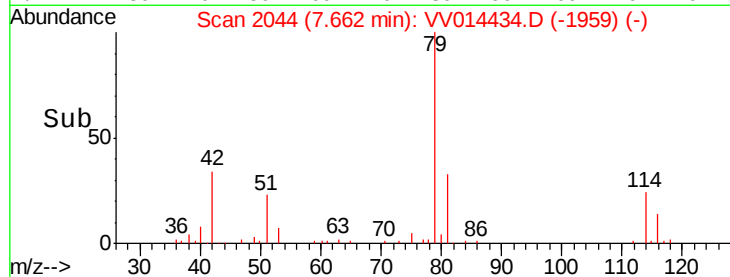
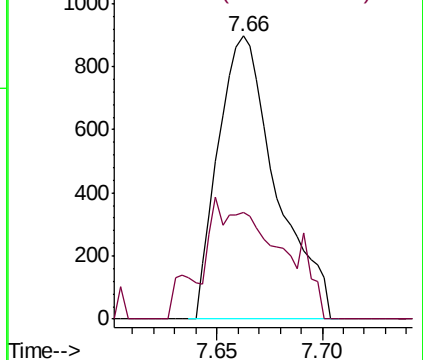
75 100

77 37.7 22.0 41.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#48

2-Hexanone

Concen: 2.312 ug/L

RT: 8.16 min Scan# 2198

Delta R.T. -0.03 min

Lab File: VV014434.D

Acq: 30 Jan 2020 14:29

Tgt Ion: 43 Resp: 13951

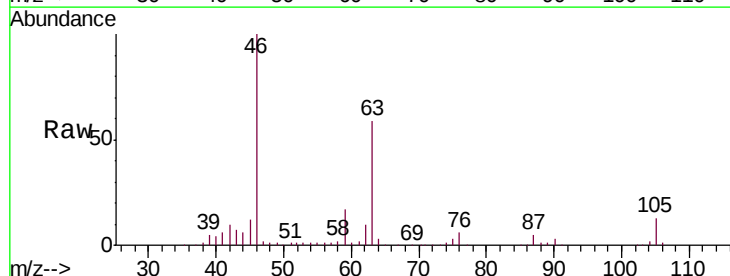
Ion Ratio Lower Upper

43 100

58 35.0 45.8 68.6#

57 22.4 15.4 23.0

100 1.2 9.8 14.8#

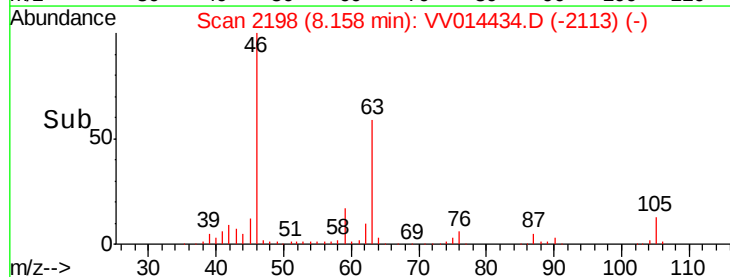
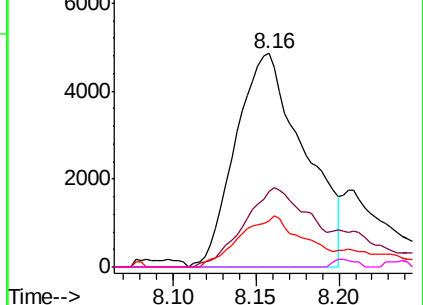


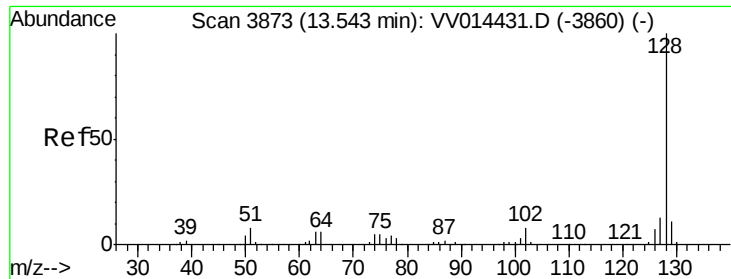
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0





#69

Naphthalene

Concen: 0.557 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.01 min

Lab File: VV014434.D

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MSVOA_V

ClientSampleId :

GAT76

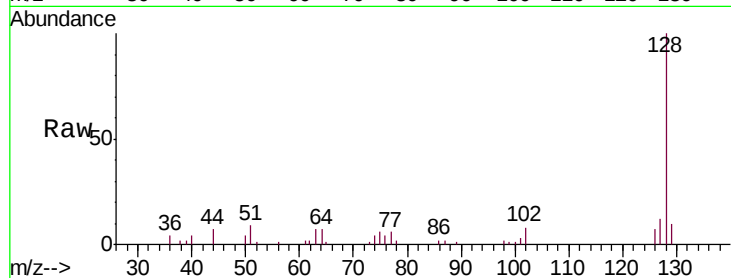
Tgt Ion:128 Resp: 19203

Ion Ratio Lower Upper

128 100

129 9.8 9.0 13.6

127 12.1 10.3 15.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

