

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041420\
 Data File : VV015486.D
 Acq On : 15 Apr 2020 01:24
 Operator : SY/MD
 Sample : L2274-06
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 YQA4

Quant Time: Apr 15 05:35:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Apr 15 05:31:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	110111	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	103465	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	51386	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	31766	5.56	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	111.20%
7) Chloroethane-d5	1.58	69	28163	5.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.00%
11) 1,1-Dichloroethene-d2	2.12	63	44844	3.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.60%
20) 2-Butanone-d5	3.93	46	79228	49.39	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.78%
24) Chloroform-d	4.38	84	58612	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
26) 1,2-Dichloroethane-d4	5.06	65	33017	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
32) Benzene-d6	5.08	84	120921	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.40%
36) 1,2-Dichloropropane-d6	6.10	67	37135	5.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.00%
41) Toluene-d8	7.34	98	111744	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.00%
43) trans-1,3-Dichloropropene-	7.65	79	13795	4.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.80%
46) 2-Hexanone-d5	8.11	63	63225	42.17	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.34%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	25681	4.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.60%
64) 1,2-Dichlorobenzene-d4	11.65	152	41001	4.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.40%

Target Compounds

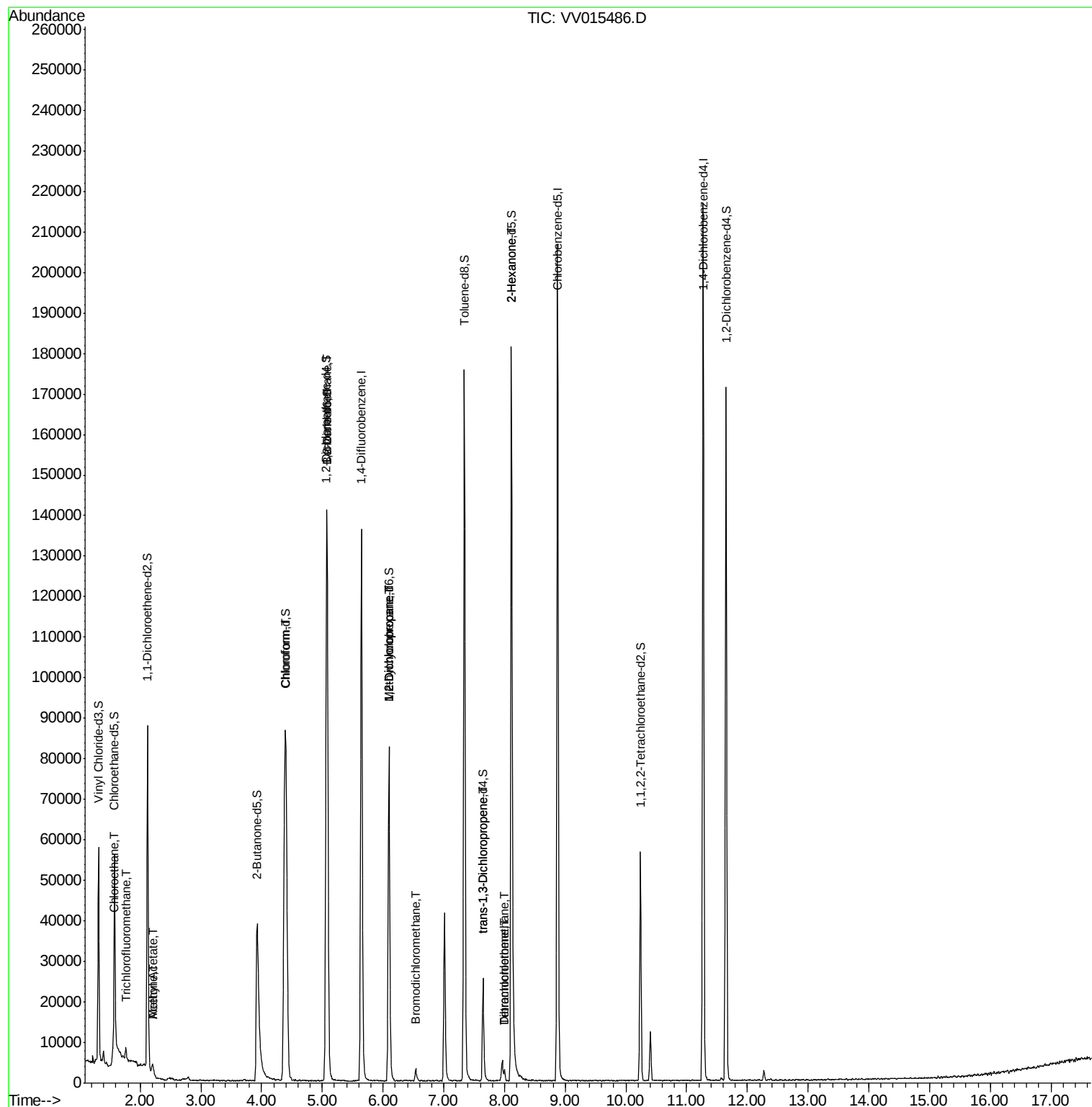
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.56	64	5117	0.883	ug/L #	52
9) Trichlorofluoromethane	1.77	101	1649	0.129	ug/L	98
13) Acetone	2.21	43	5057	4.462	ug/L #	55
15) Methyl Acetate	2.21	43	5020	1.497	ug/L #	57
25) Chloroform	4.41	83	60116	4.001	ug/L	99
27) 1,2-Dichloroethane	5.08	62	799	0.082	ug/L #	77
35) Methylcyclohexane	6.10	83	9141	0.651	ug/L #	16
37) 1,2-Dichloropropane	6.10	63	4500	0.586	ug/L #	86
38) Bromodichloromethane	6.54	83	2046	0.200	ug/L #	94
44) trans-1,3-Dichloropropene	7.64	75	774	0.078	ug/L	99
47) Tetrachloroethene	8.00	164	576	0.093	ug/L	93
48) 2-Hexanone	8.12	43	9954	2.825	ug/L #	74
49) Dibromochloromethane	8.00	129	642	0.104	ug/L #	10

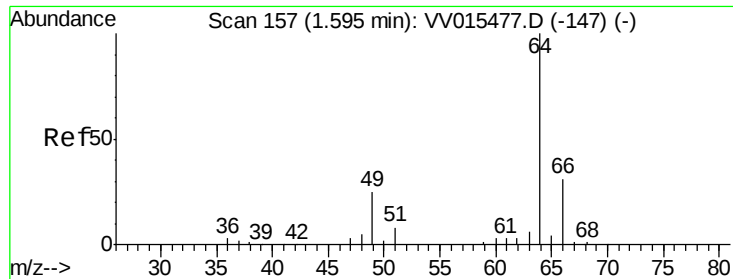
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Apr 15 05:31:01 2020
Response via : Initial Calibration





#8

Chloroethane

Concen: 0.883 ug/L

RT: 1.56 min Scan# 146

Delta R.T. -0.04 min

Lab File: VV015486.D

Acq: 15 Apr 2020 01:24

Instrument :

MSVOA_V

ClientSampled :

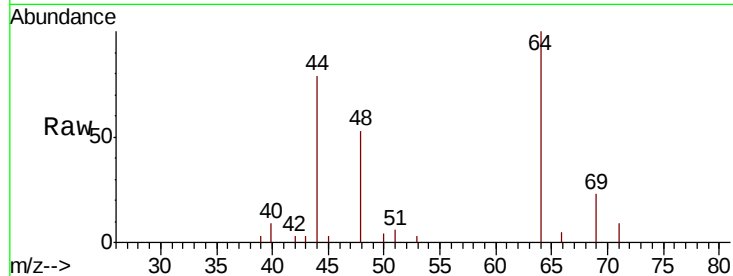
YAQA4

Tot Ion: 64 Resp: 5117

Ion Ratio Lower Upper

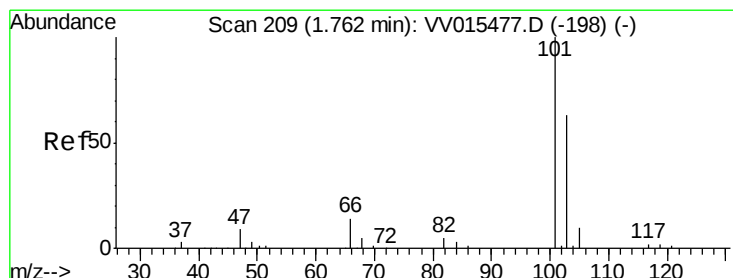
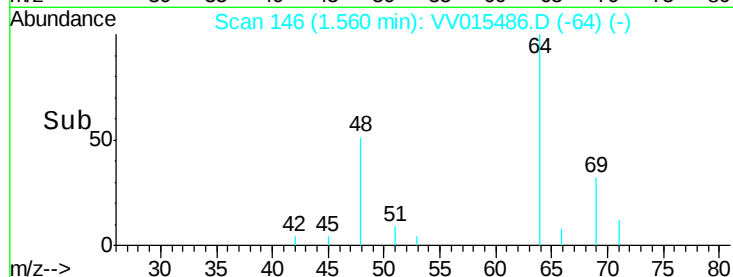
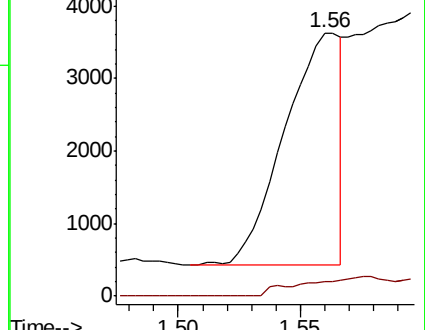
64 100

66 5.4 22.3 41.5#



Abundance Ion 64.10 (63.80 to 64.80): VV015477.D (-147) (-)

Ion 66.05 (65.75 to 66.75): VV015477.D (-147) (-)



#9

Trichlorofluoromethane

Concen: 0.129 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV015486.D

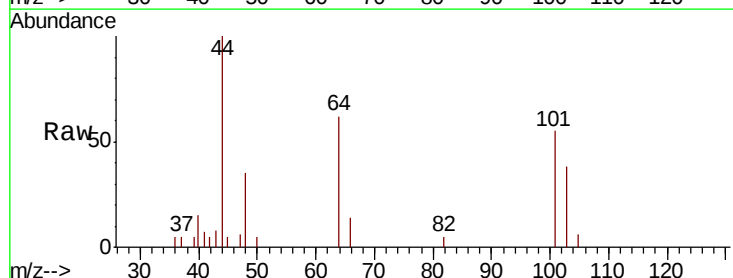
Acq: 15 Apr 2020 01:24

Tgt Ion:101 Resp: 1649

Ion Ratio Lower Upper

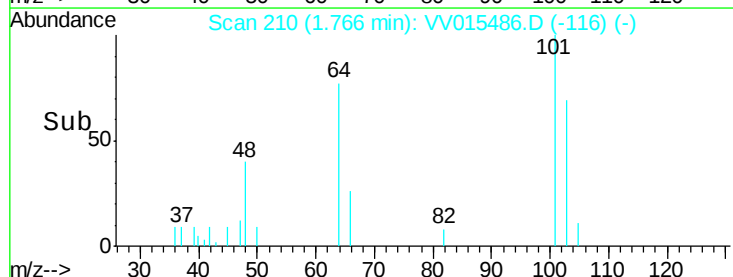
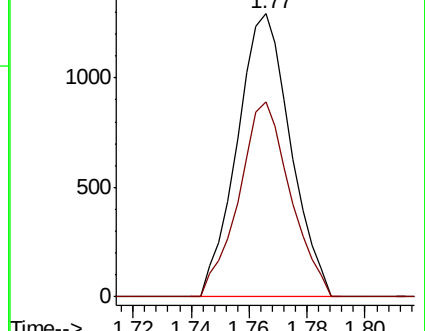
101 100

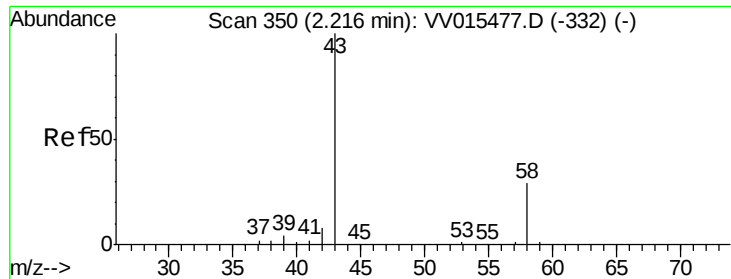
103 66.6 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV015477.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV015477.D (-198) (-)





#13

Acetone

Concen: 4.462 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.01 min

Lab File: VV015486.D

Acq: 15 Apr 2020 01:24

Instrument :

MSVOA_V

ClientSampleId :

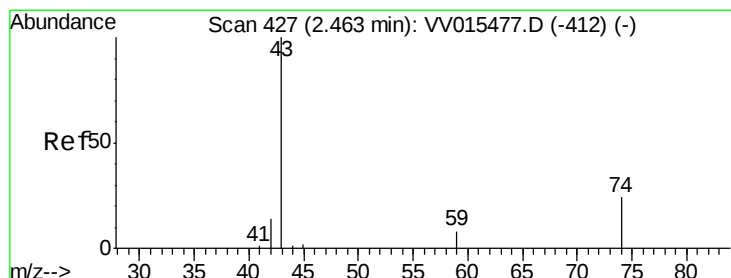
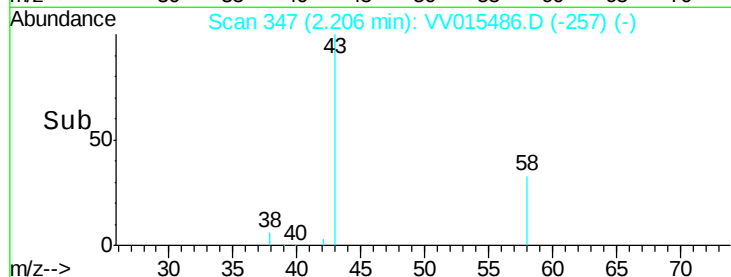
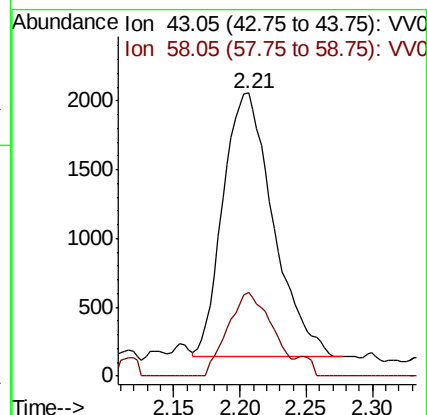
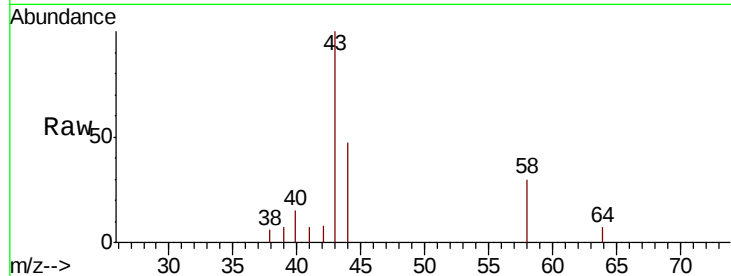
YAQA4

Tot Ion: 43 Resp: 5057

Ion Ratio Lower Upper

43 100

58 28.2 0.0 22.2#



#15

Methyl Acetate

Concen: 1.497 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.26 min

Lab File: VV015486.D

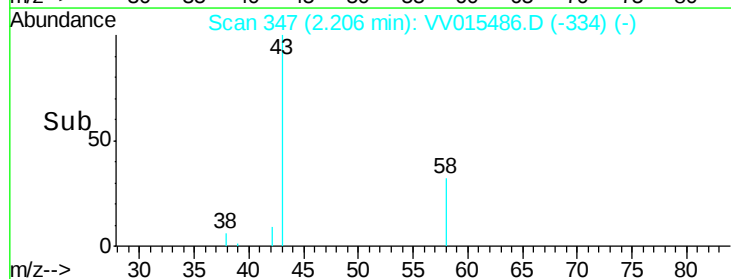
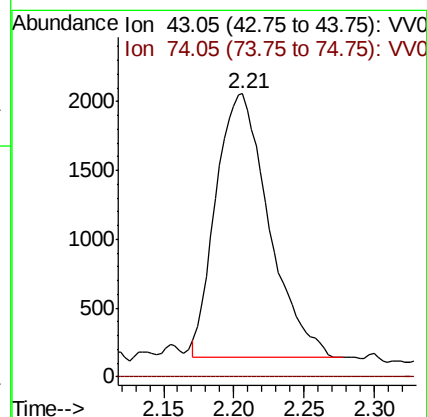
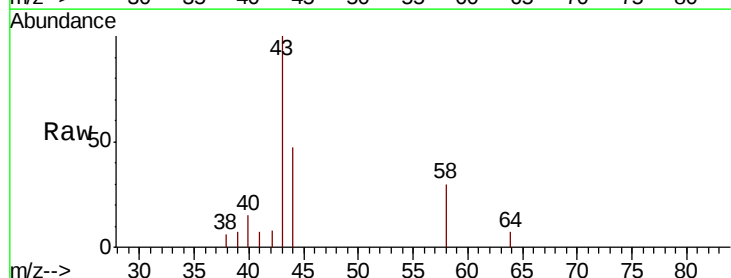
Acq: 15 Apr 2020 01:24

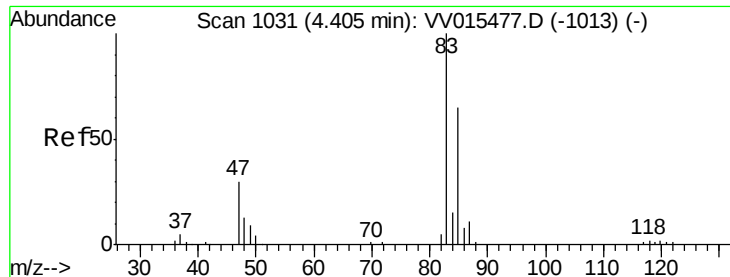
Tgt Ion: 43 Resp: 5020

Ion Ratio Lower Upper

43 100

74 0.0 15.4 23.2#

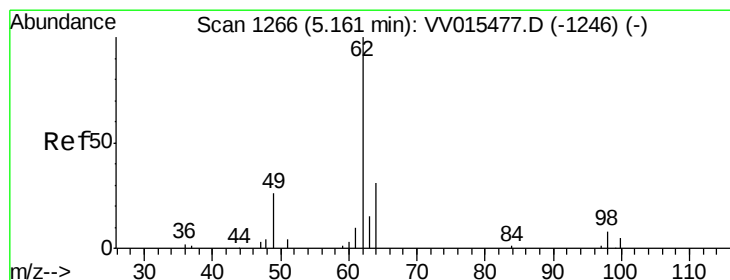
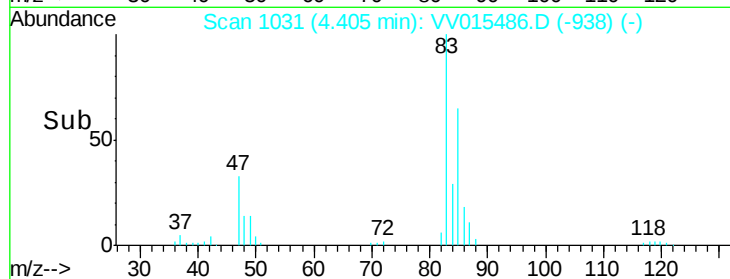
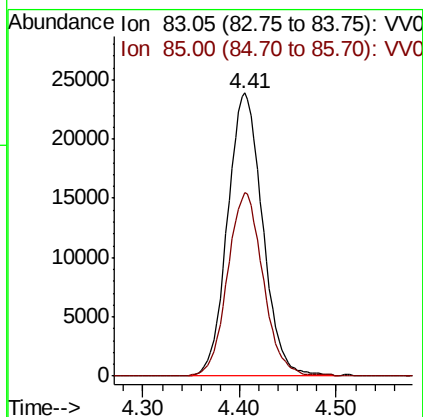
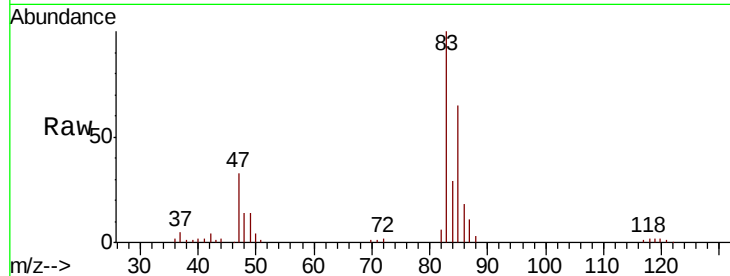




#25
Chloroform
Concen: 4.001 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV015486.D
Acq: 15 Apr 2020 01:24

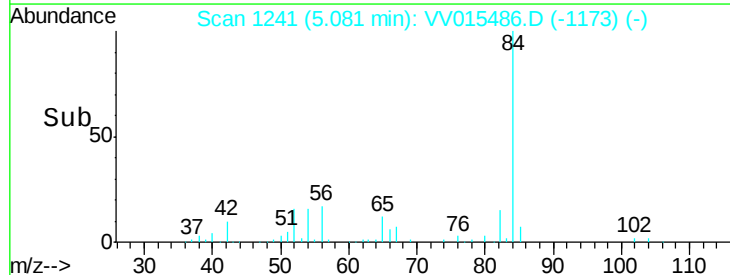
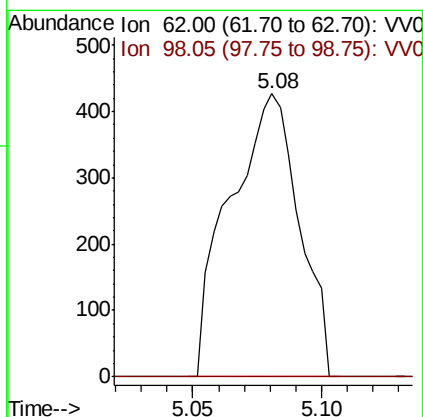
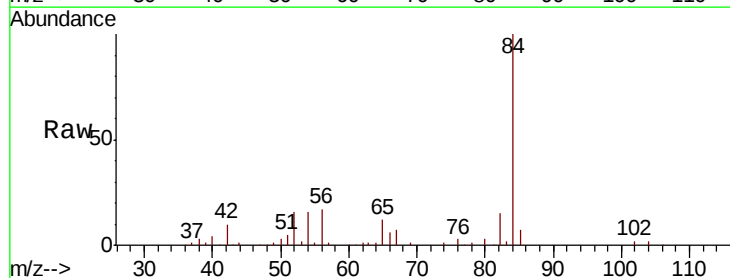
Instrument :
MSVOA_V
ClientSampled :
YAQA4

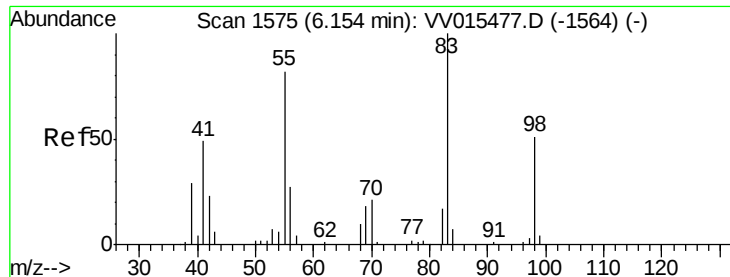
Tot Ion: 83 Resp: 60116
Ion Ratio Lower Upper
83 100
85 64.8 45.9 85.3



#27
1,2-Dichloroethane
Concen: 0.082 ug/L
RT: 5.08 min Scan# 1241
Delta R.T. -0.08 min
Lab File: VV015486.D
Acq: 15 Apr 2020 01:24

Tgt Ion: 62 Resp: 799
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#

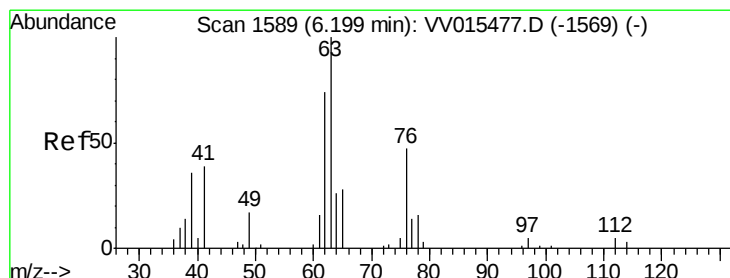
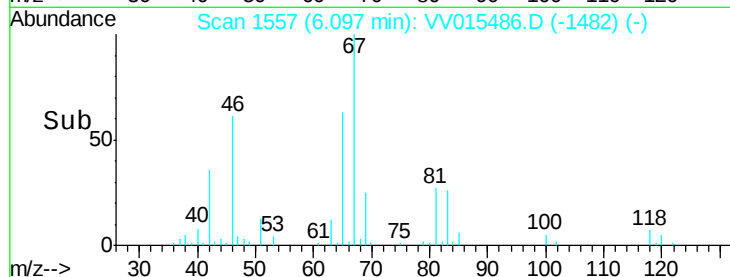
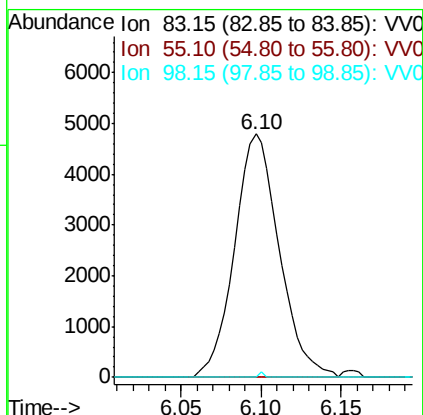
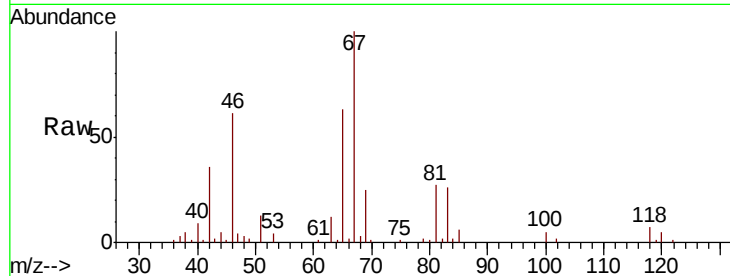




#35
Methvlcvclohexane
Concen: 0.651 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.06 min
Lab File: VV015486.D
Acq: 15 Apr 2020 01:24

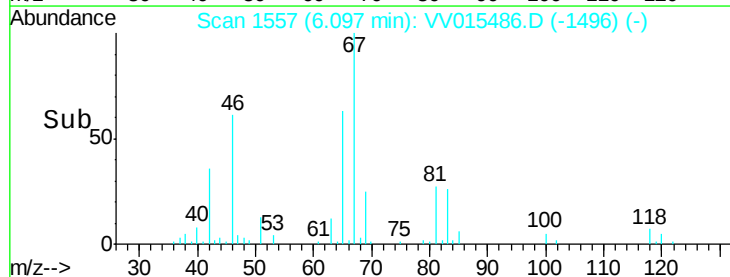
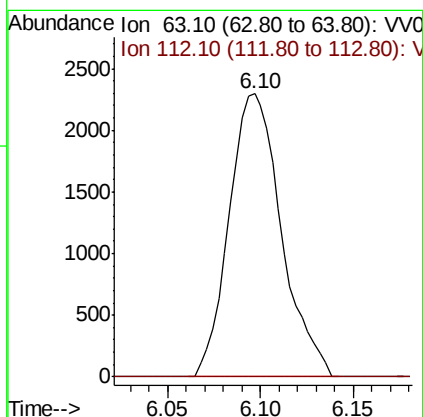
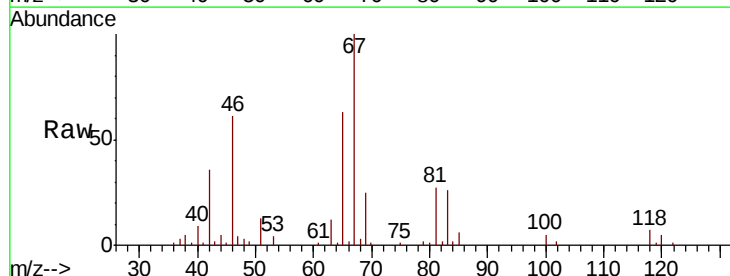
Instrument :
MSVOA_V
ClientSampleId :
YAQA4

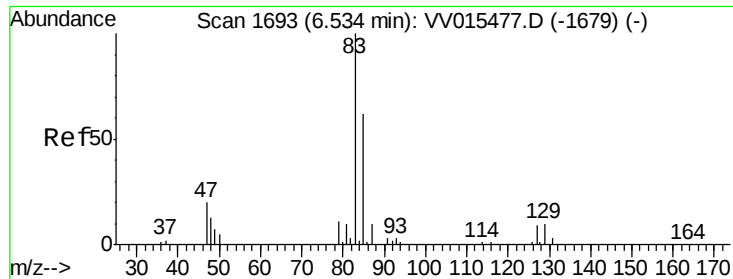
Tot Ion: 83 Resp: 9141
Ion Ratio Lower Upper
83 100
55 0.0 66.6 99.8#
98 0.2 38.7 58.1#



#37
1,2-Dichloropropane
Concen: 0.586 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV015486.D
Acq: 15 Apr 2020 01:24

Tgt Ion: 63 Resp: 4500
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#





#38

Bromodichloromethane

Concen: 0.200 ug/L

RT: 6.54 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VV015486.D

Acq: 15 Apr 2020 01:24

Instrument :

MSVOA_V

ClientSampleId :

YQA4

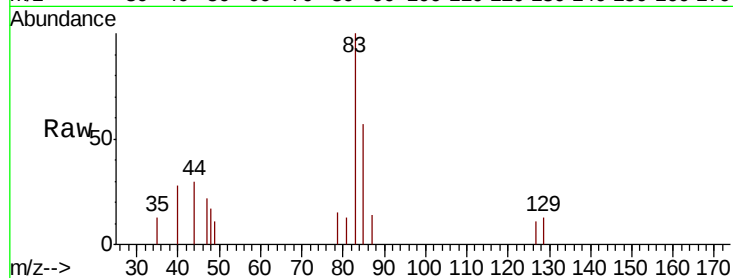
Tot Ion: 83 Resp: 2046

Ion Ratio Lower Upper

83 100

85 56.7 42.6 79.2

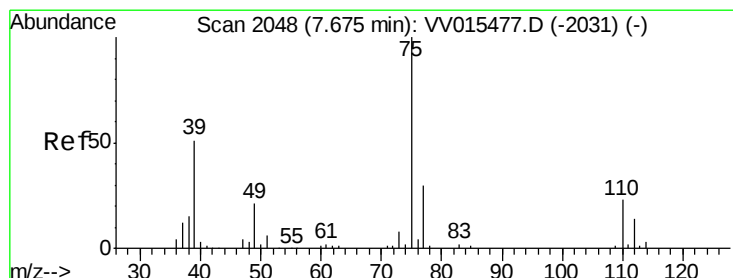
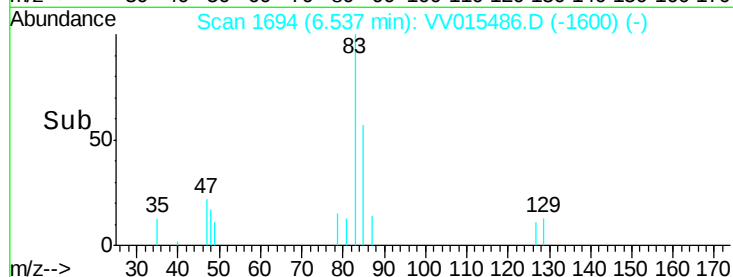
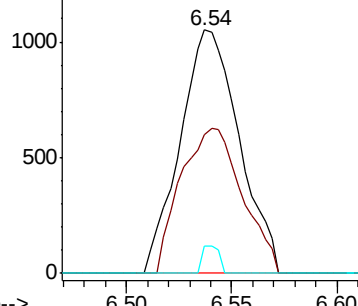
127 11.2 6.6 9.8#



Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 126.90 (126.60 to 127.60): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.078 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV015486.D

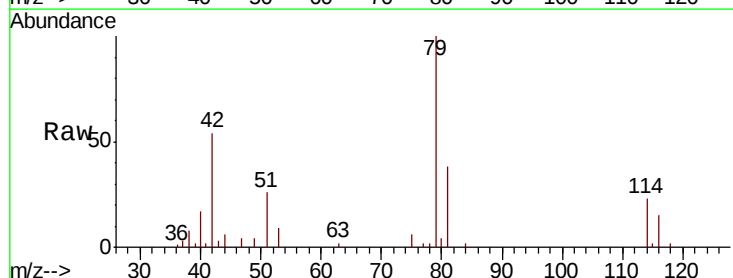
Acq: 15 Apr 2020 01:24

Tgt Ion: 75 Resp: 774

Ion Ratio Lower Upper

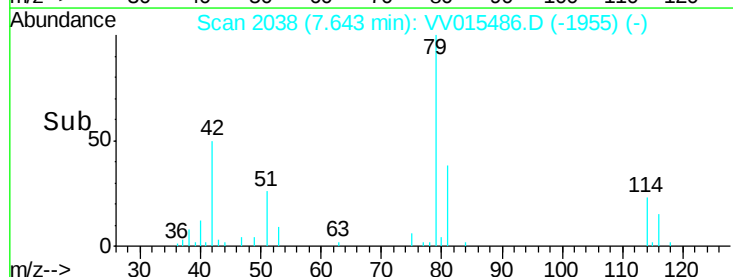
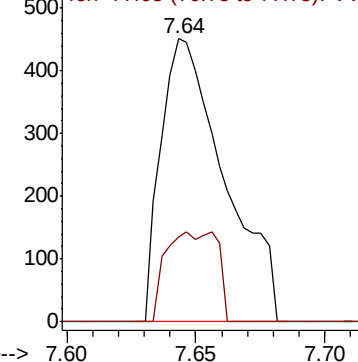
75 100

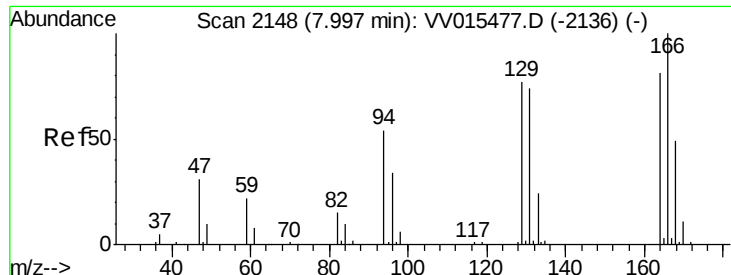
77 29.7 21.0 39.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#47

Tetrachloroethene

Concen: 0.093 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV015486.D

Acq: 15 Apr 2020 01:24

Instrument :

MSVOA_V

ClientSampleId :

YQA4

Tot Ion:164 Resp: 576

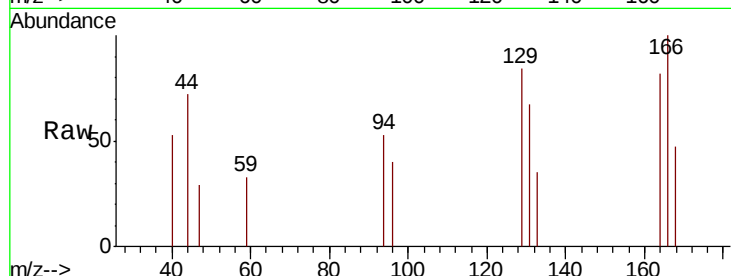
Ion Ratio Lower Upper

164 100

129 102.1 70.6 131.0

131 81.9 68.3 126.8

166 122.1 88.3 163.9

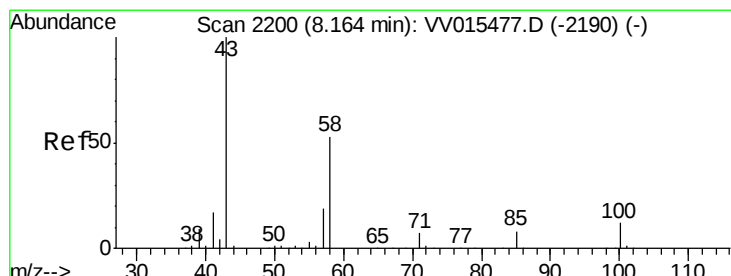
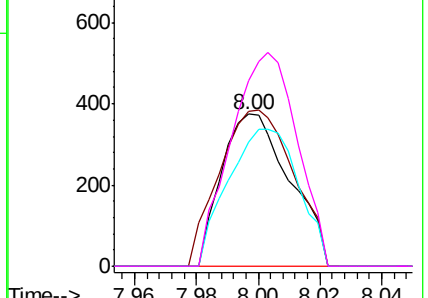
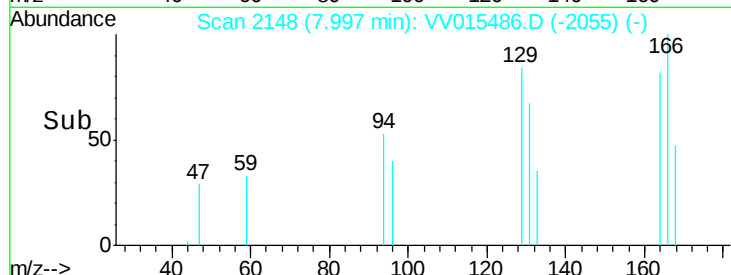


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 2.825 ug/L

RT: 8.12 min Scan# 2185

Delta R.T. -0.05 min

Lab File: VV015486.D

Acq: 15 Apr 2020 01:24

Tgt Ion: 43 Resp: 9954

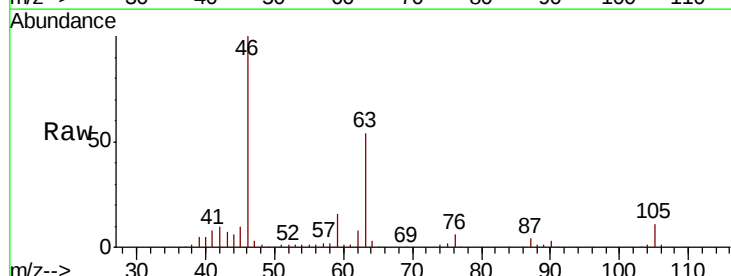
Ion Ratio Lower Upper

43 100

58 28.4 41.4 62.0#

57 19.6 15.0 22.4

100 0.0 9.4 14.2#

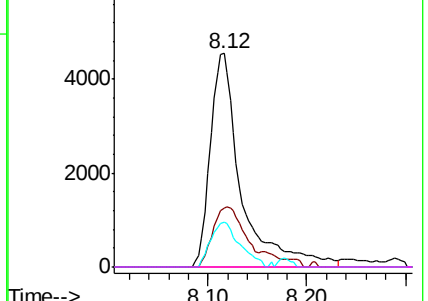
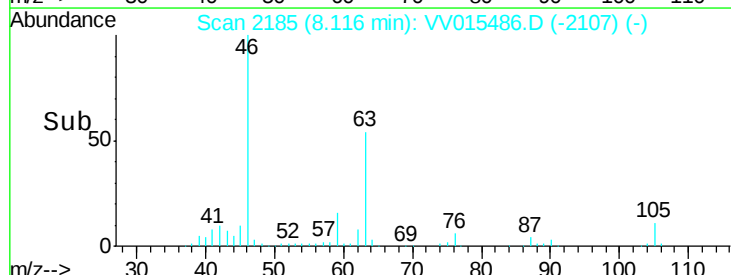


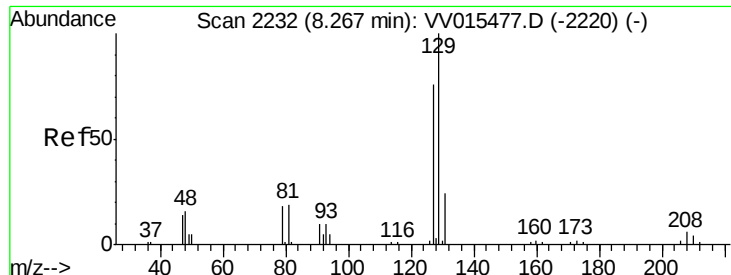
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0





#49

Dibromochloromethane

Concen: 0.104 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. -0.27 min

Lab File: VV015486.D

Acq: 15 Apr 2020 01:24

Instrument :

MSVOA_V

ClientSampleId :

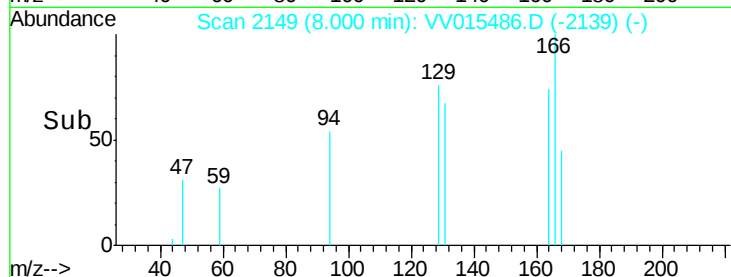
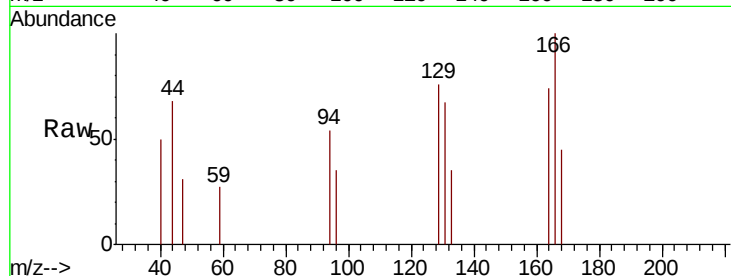
YAQA4

Tot Ion:129 Resp: 642

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

