

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102720\
 Data File : VU040978.D
 Acq On : 27 Oct 2020 13:06
 Operator : SY/MD
 Sample : L4492-15DL 2X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AP3DL

Quant Time: Oct 28 02:25:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 28 02:17:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	55977	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	59496	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	24255	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	23153	4.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.40%
7) Chloroethane-d5	1.92	69	19670	5.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.80%
11) 1,1-Dichloroethene-d2	2.58	63	35908	3.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.80%
20) 2-Butanone-d5	4.66	46	84531	54.58	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.16%
24) Chloroform-d	5.08	84	42934	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.40%
26) 1,2-Dichloroethane-d4	5.72	65	27584	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.00%
32) Benzene-d6	5.74	84	78479	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
36) 1,2-Dichloropropane-d6	6.70	67	26774	5.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.40%
41) Toluene-d8	7.91	98	61121	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.80%
43) trans-1,3-Dichloropropene-	8.19	79	10535	4.69	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.80%
46) 2-Hexanone-d5	8.64	63	61340	50.73	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.46%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	23723	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	23055	5.42	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.40%

Target Compounds

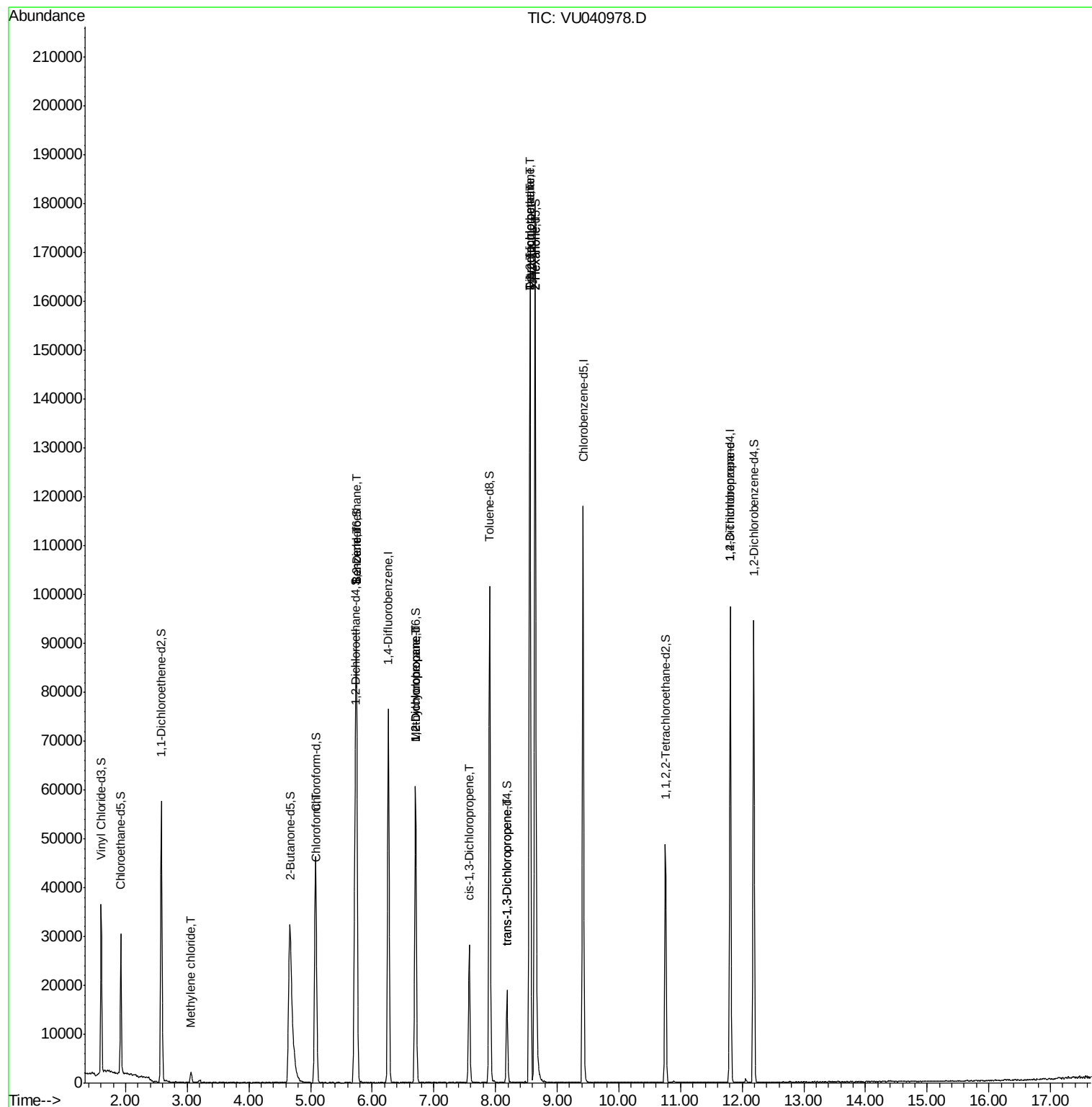
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
16) Methylene chloride	3.06	84	982	0.213	ug/L	82
25) Chloroform	5.10	83	445	0.055	ug/L	80
27) 1,2-Dichloroethane	5.74	62	385	0.064	ug/L #	74
33) Benzene	5.75	78	412	0.023	ug/L	100
35) Methylcyclohexane	6.70	83	6347	0.941	ug/L #	13
37) 1,2-Dichloropropane	6.70	63	3097	0.644	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	710	0.107	ug/L #	81
44) trans-1,3-Dichloropropene	8.19	75	434	0.070	ug/L #	68
45) 1,1,2-Trichloroethane	8.56	97	333	0.093	ug/L #	18
47) Tetrachloroethene	8.56	164	34383	10.336	ug/L	99
48) 2-Hexanone	8.64	43	8114	2.810	ug/L #	76
49) Dibromochloromethane	8.56	129	34638	8.329	ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	3334	0.930	ug/L	98

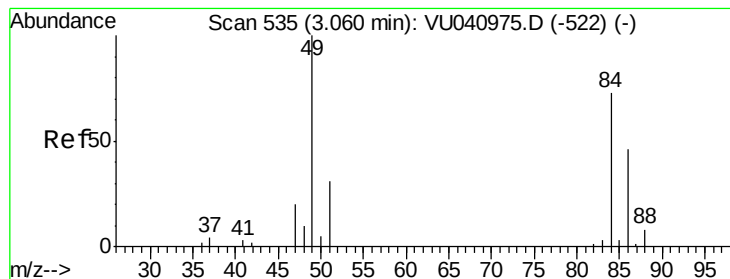
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#16

Methvlene chloride

Concen: 0.213 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU040978.D

Acq: 27 Oct 2020 13:06

Instrument :

MSVOA_U

ClientSampleId :

C0AP3DL

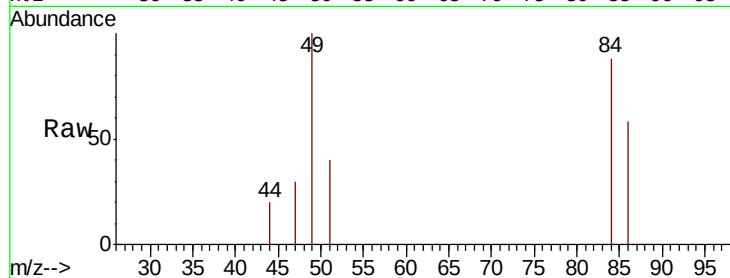
Tot Ion: 84 Resp: 982

Ion Ratio Lower Upper

84 100

86 66.6 42.8 79.6

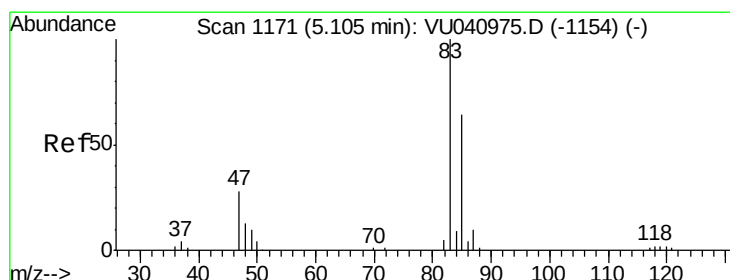
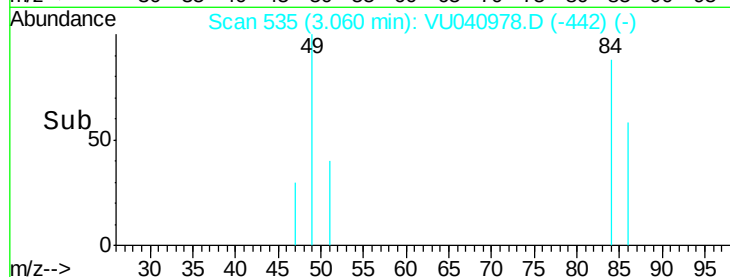
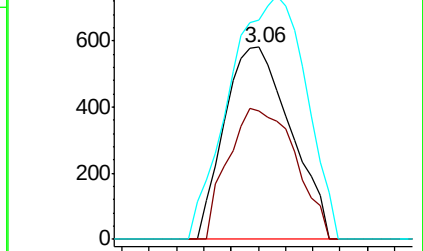
49 114.3 99.5 184.7



Abundance Ion 84.05 (83.75 to 84.75): VU040978.D (-442) (-)

Ion 86.00 (85.70 to 86.70): VU040978.D (-442) (-)

Ion 49.10 (48.80 to 49.80): VU040978.D (-442) (-)



#25

Chloroform

Concen: 0.055 ug/L

RT: 5.10 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VU040978.D

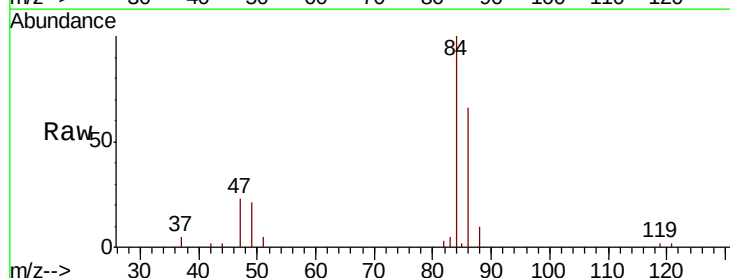
Acq: 27 Oct 2020 13:06

Tgt Ion: 83 Resp: 445

Ion Ratio Lower Upper

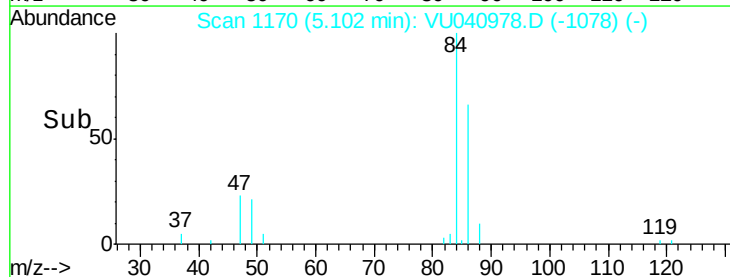
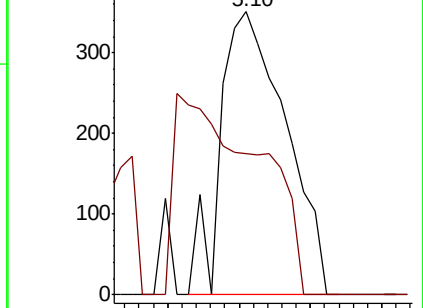
83 100

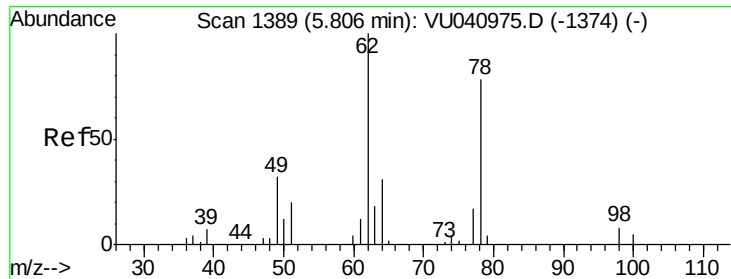
85 49.9 46.1 85.7



Abundance Ion 83.05 (82.75 to 83.75): VU040978.D (-1078) (-)

Ion 85.00 (84.70 to 85.70): VU040978.D (-1078) (-)

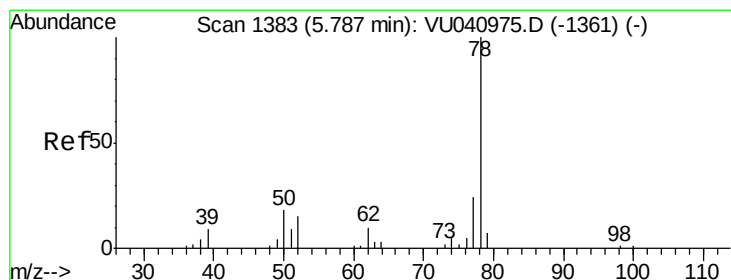
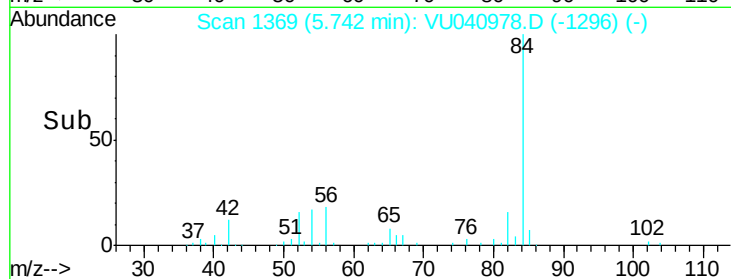
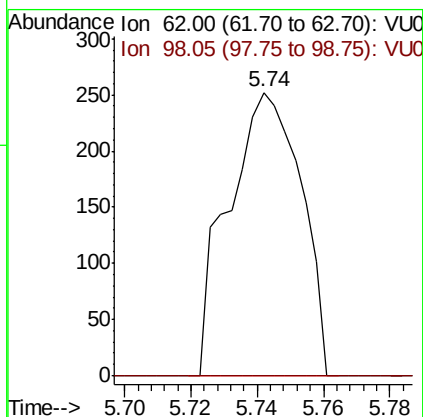
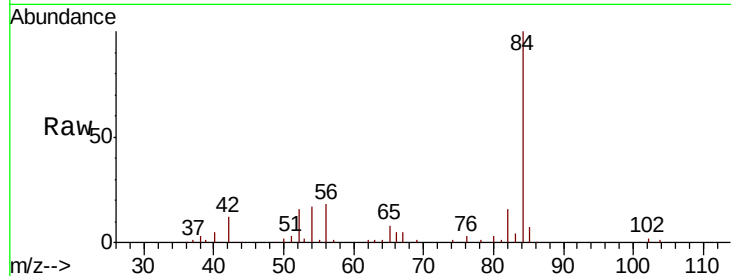




#27
 1,2-Dichloroethane
 Concen: 0.064 ug/L
 RT: 5.74 min Scan# 1369
 Delta R.T. -0.06 min
 Lab File: VU040978.D
 Acq: 27 Oct 2020 13:06

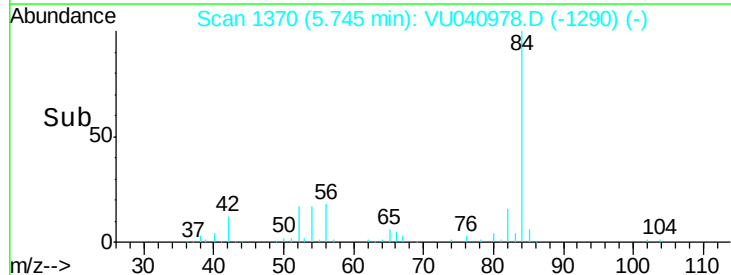
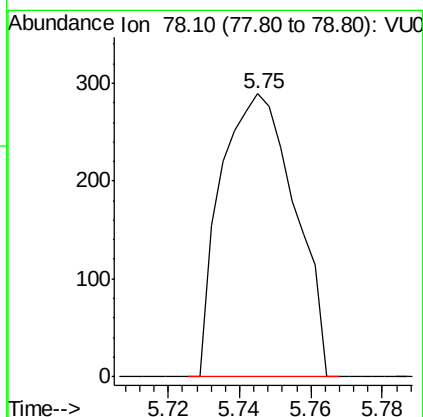
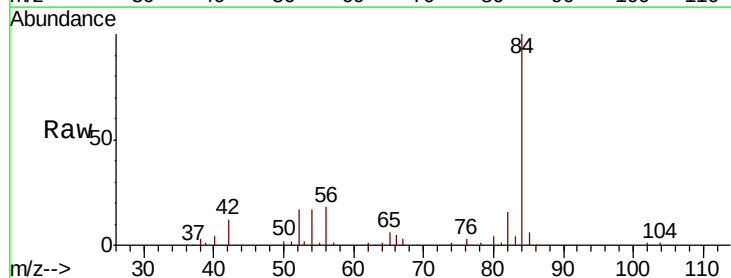
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AP3DL

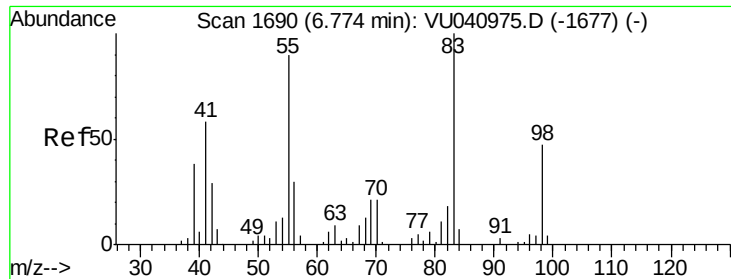
Tot Ion: 62 Resp: 385
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.6 11.4#



#33
 Benzene
 Concen: 0.023 ug/L
 RT: 5.75 min Scan# 1370
 Delta R.T. -0.04 min
 Lab File: VU040978.D
 Acq: 27 Oct 2020 13:06

Tgt Ion: 78 Resp: 412

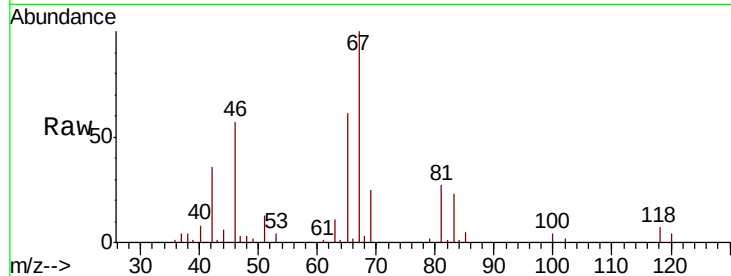




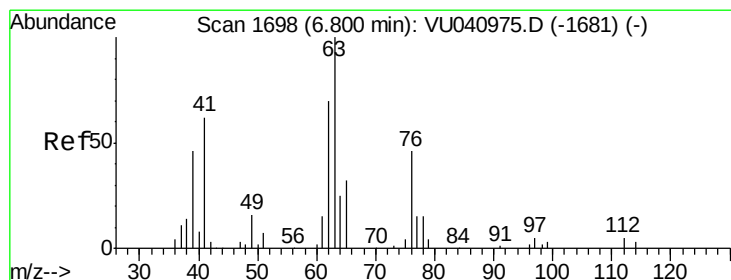
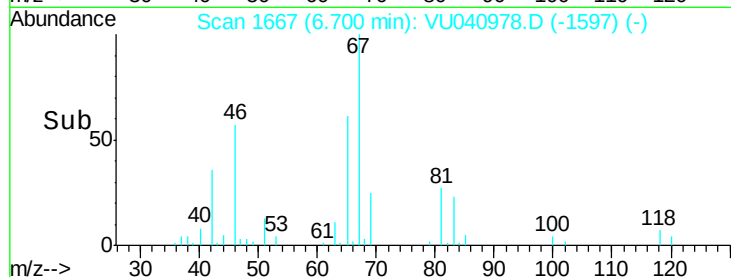
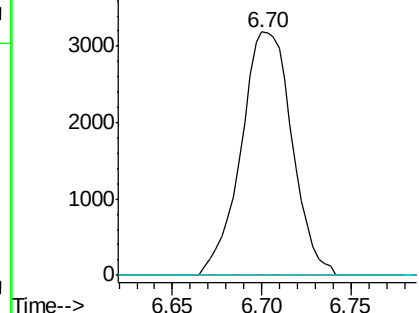
#35
Methylvlcyclohexane
Concen: 0.941 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU040978.D
Acq: 27 Oct 2020 13:06

Instrument :
MSVOA_U
ClientSampleId :
C0AP3DL

Tot Ion: 83 Resp: 6347
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 0.0 36.6 55.0#

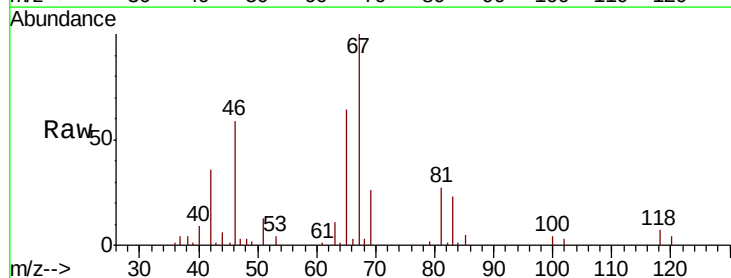


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

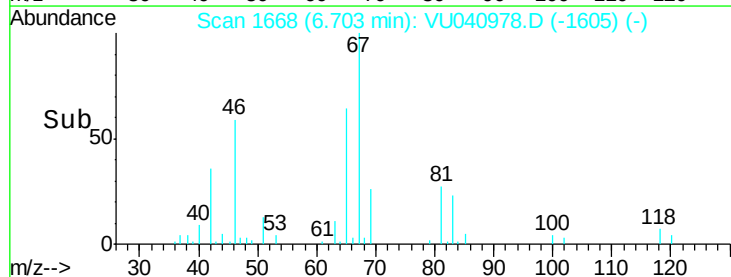
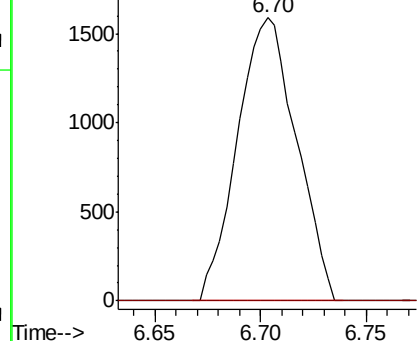


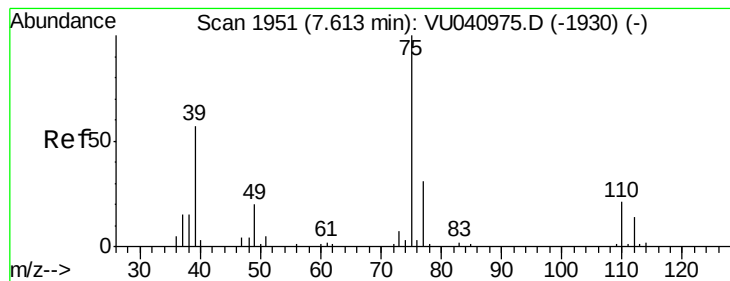
#37
1,2-Dichloropropane
Concen: 0.644 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040978.D
Acq: 27 Oct 2020 13:06

Tgt Ion: 63 Resp: 3097
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V





#39

cis-1,3-Dichloropropene

Concen: 0.107 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU040978.D

Acq: 27 Oct 2020 13:06

Instrument :

MSVOA_U

ClientSampled :

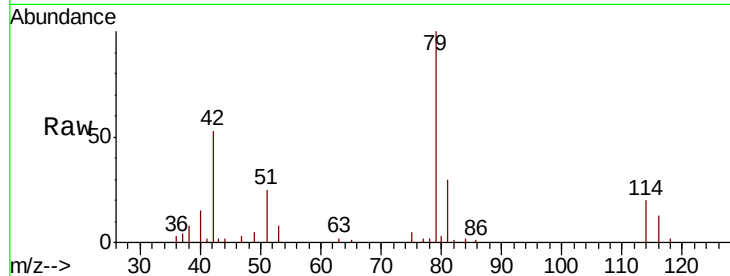
C0AP3DL

Tot Ion: 75 Resp: 710

Ion Ratio Lower Upper

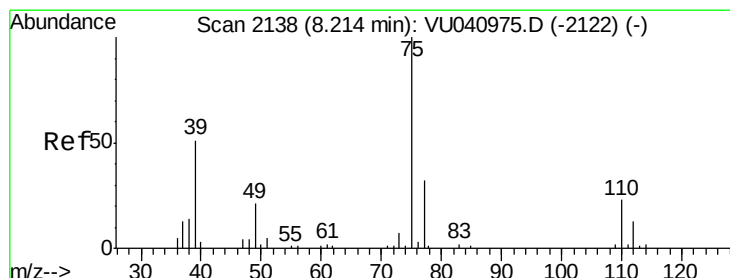
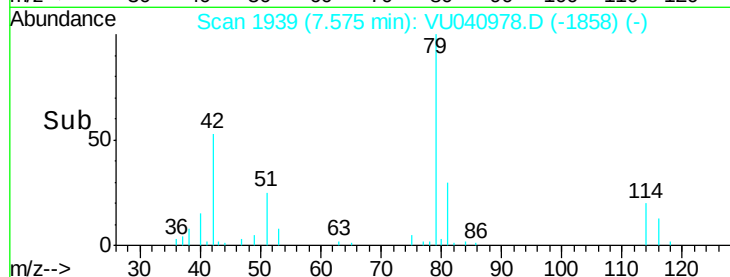
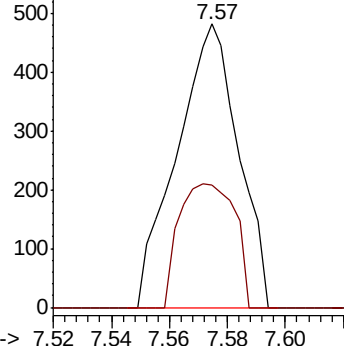
75 100

77 42.9 22.7 42.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.070 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU040978.D

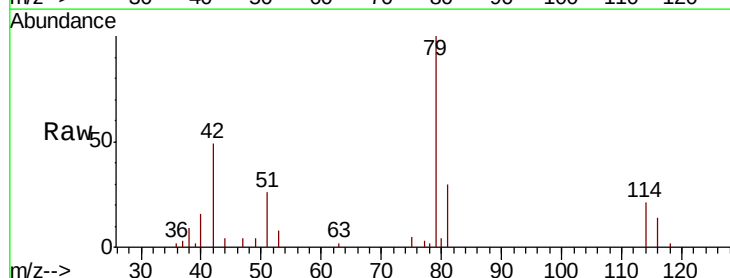
Acq: 27 Oct 2020 13:06

Tgt Ion: 75 Resp: 434

Ion Ratio Lower Upper

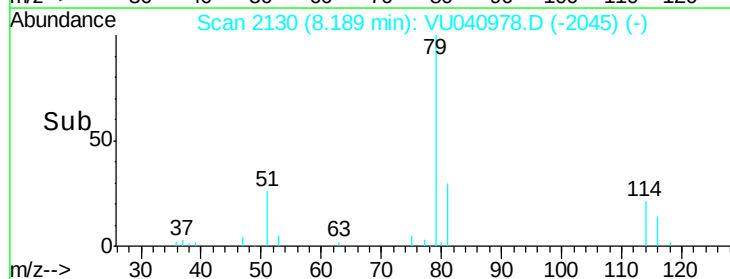
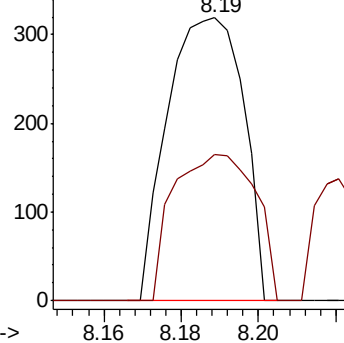
75 100

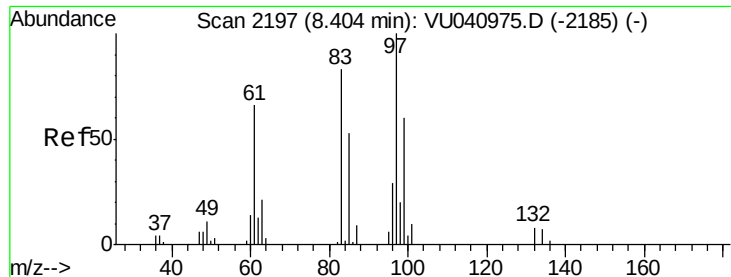
77 51.7 23.3 43.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

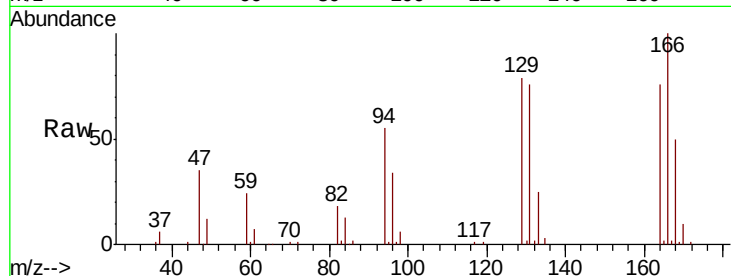




#45
 1,1,2-Trichloroethane
 Concen: 0.093 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.15 min
 Lab File: VU040978.D
 Acq: 27 Oct 2020 13:06

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AP3DL

Tot Ion:	97	Resp:	333
Ion	Ratio	Lower	Upper
97	100		
99	0.0	45.8	85.2#
83	222.6	67.9	126.1#
85	54.4	42.8	79.6



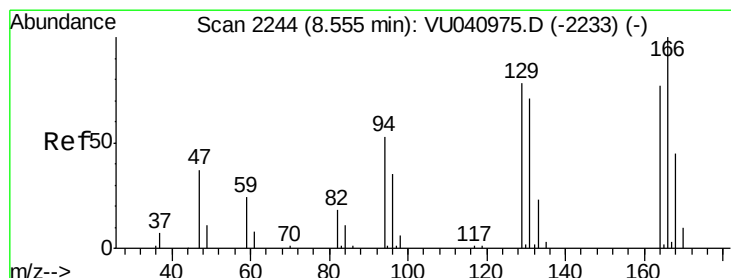
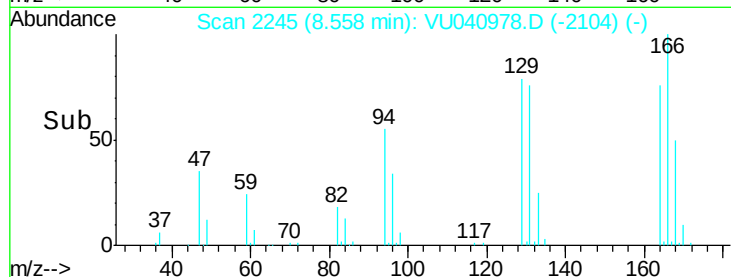
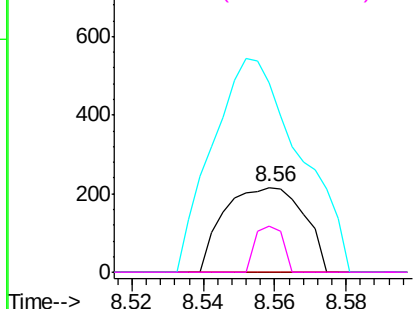
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

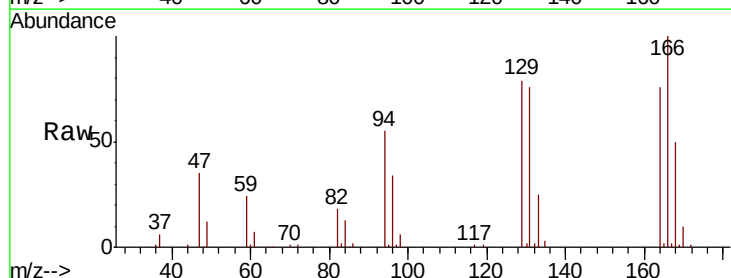
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 10.336 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU040978.D
 Acq: 27 Oct 2020 13:06

Tgt Ion:	164	Resp:	34383
Ion	Ratio	Lower	Upper
164	100		
129	103.8	70.3	130.7
131	100.0	70.8	131.4
166	131.6	92.0	170.8



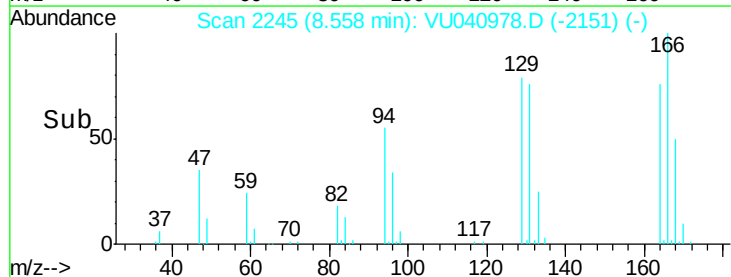
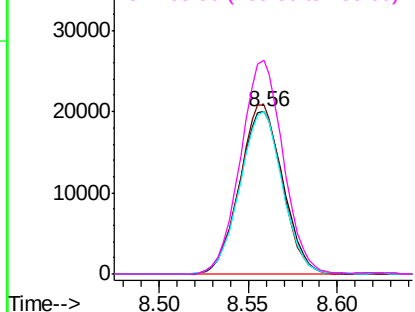
Abundance

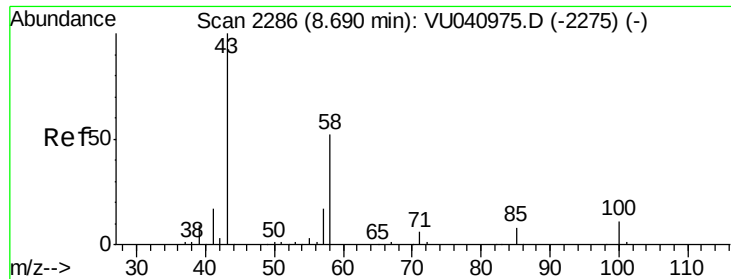
Ion 163.90 (163.60 to 164.60): V

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

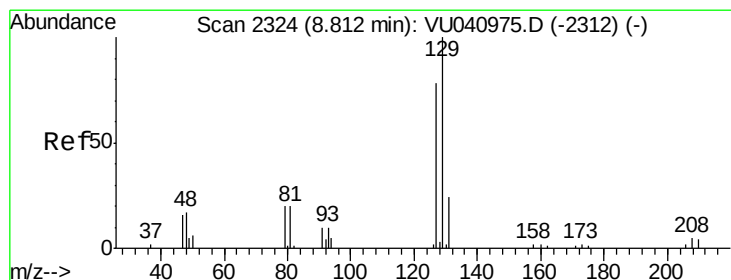
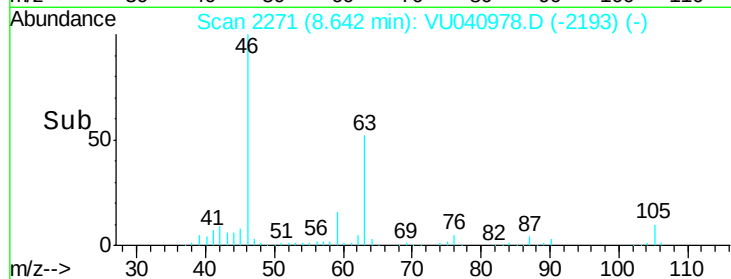
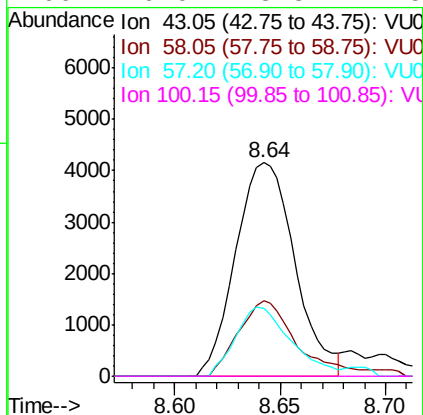
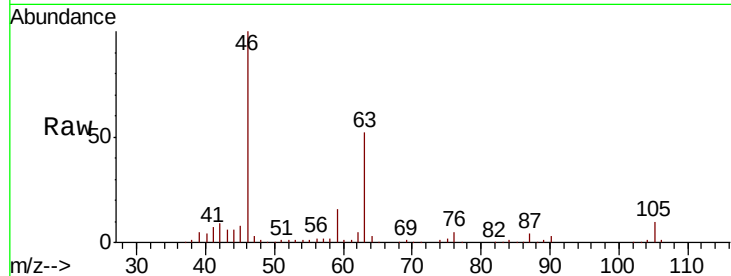




#48
2-Hexanone
Concen: 2.810 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU040978.D
Acq: 27 Oct 2020 13:06

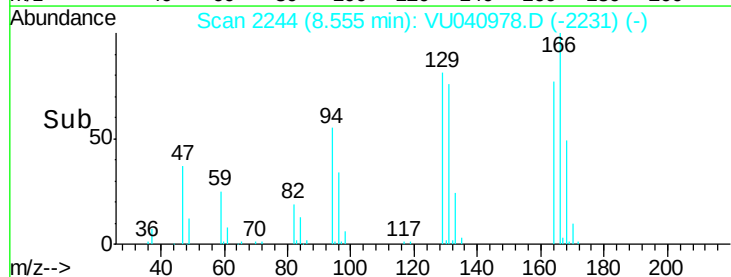
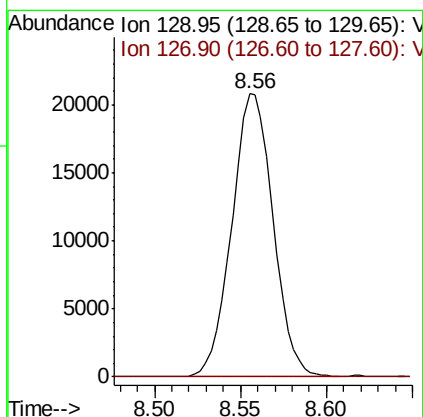
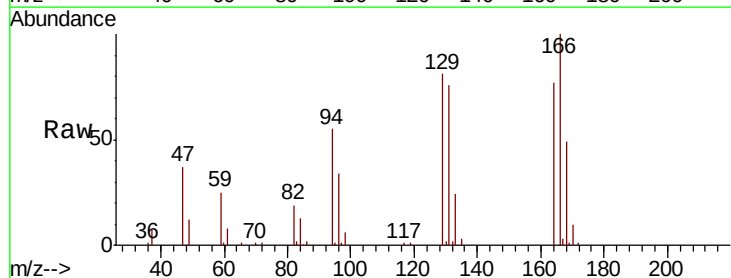
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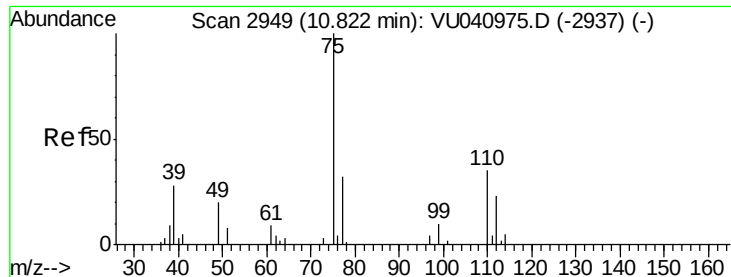
Tot Ion: 43 Resp: 8114
Ion Ratio Lower Upper
43 100
58 36.0 41.4 62.2#
57 30.2 14.6 21.8#
100 0.0 8.3 12.5#



#49
Dibromochloromethane
Concen: 8.329 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.26 min
Lab File: VU040978.D
Acq: 27 Oct 2020 13:06

Tgt Ion: 129 Resp: 34638
Ion Ratio Lower Upper
129 100
127 0.0 53.4 99.2#





#59

1,2,3-Trichloropropane

Concen: 0.930 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040978.D

Acq: 27 Oct 2020 13:06

Instrument :

MSVOA_U

ClientSampleId :

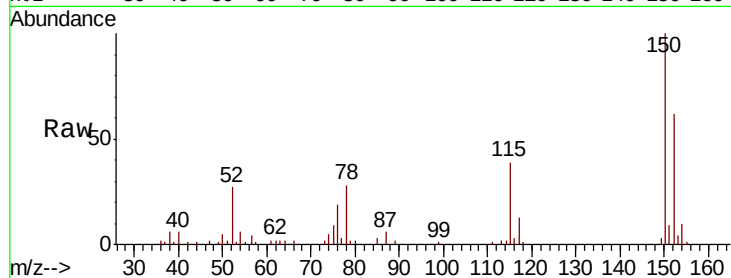
C0AP3DL

Tot Ion: 75 Resp: 3334

Ion Ratio Lower Upper

75 100

77 33.0 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

