

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102720\
 Data File : VU040979.D
 Acq On : 27 Oct 2020 13:30
 Operator : SY/MD
 Sample : L4492-16DL 40X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AP4DL

Quant Time: Oct 28 02:25:15 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	56481	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	58679	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	23459	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	23616	4.98	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.60%
7) Chloroethane-d5	1.92	69	19377	5.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.20%
11) 1,1-Dichloroethene-d2	2.58	63	35904	3.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.20%
20) 2-Butanone-d5	4.66	46	82138	52.57	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.14%
24) Chloroform-d	5.08	84	42222	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
26) 1,2-Dichloroethane-d4	5.72	65	27047	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.00%
32) Benzene-d6	5.74	84	77597	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
36) 1,2-Dichloropropane-d6	6.70	67	26528	5.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.80%
41) Toluene-d8	7.91	98	60771	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.40%
43) trans-1,3-Dichloropropene-	8.19	79	10750	4.85	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.00%
46) 2-Hexanone-d5	8.64	63	60201	50.48	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.96%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	22781	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	24082	5.85	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	117.00%

Target Compounds

					Ovalue
8) Chloroethane	1.94	64	177	0.053 ug/L #	43
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	193	0.046 ug/L #	22
16) Methylene chloride	3.06	84	1598	0.344 ug/L	91
25) Chloroform	5.11	83	777	0.096 ug/L	83
27) 1,2-Dichloroethane	5.74	62	241	0.040 ug/L #	74
33) Benzene	5.74	78	534	0.030 ug/L	100
35) Methylcyclohexane	6.70	83	6364	0.956 ug/L #	13
37) 1,2-Dichloropropane	6.70	63	3155	0.665 ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	687	0.105 ug/L #	66
44) trans-1,3-Dichloropropene	8.18	75	401	0.066 ug/L	92
45) 1,1,2-Trichloroethane	8.56	97	219	0.062 ug/L #	1
47) Tetrachloroethene	8.56	164	34354	10.471 ug/L	98
48) 2-Hexanone	8.64	43	9031	3.171 ug/L #	69
49) Dibromochloromethane	8.56	129	34574	8.430 ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	3172	0.897 ug/L	89

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 28 02:17:39 2020
Response via : Initial Calibration

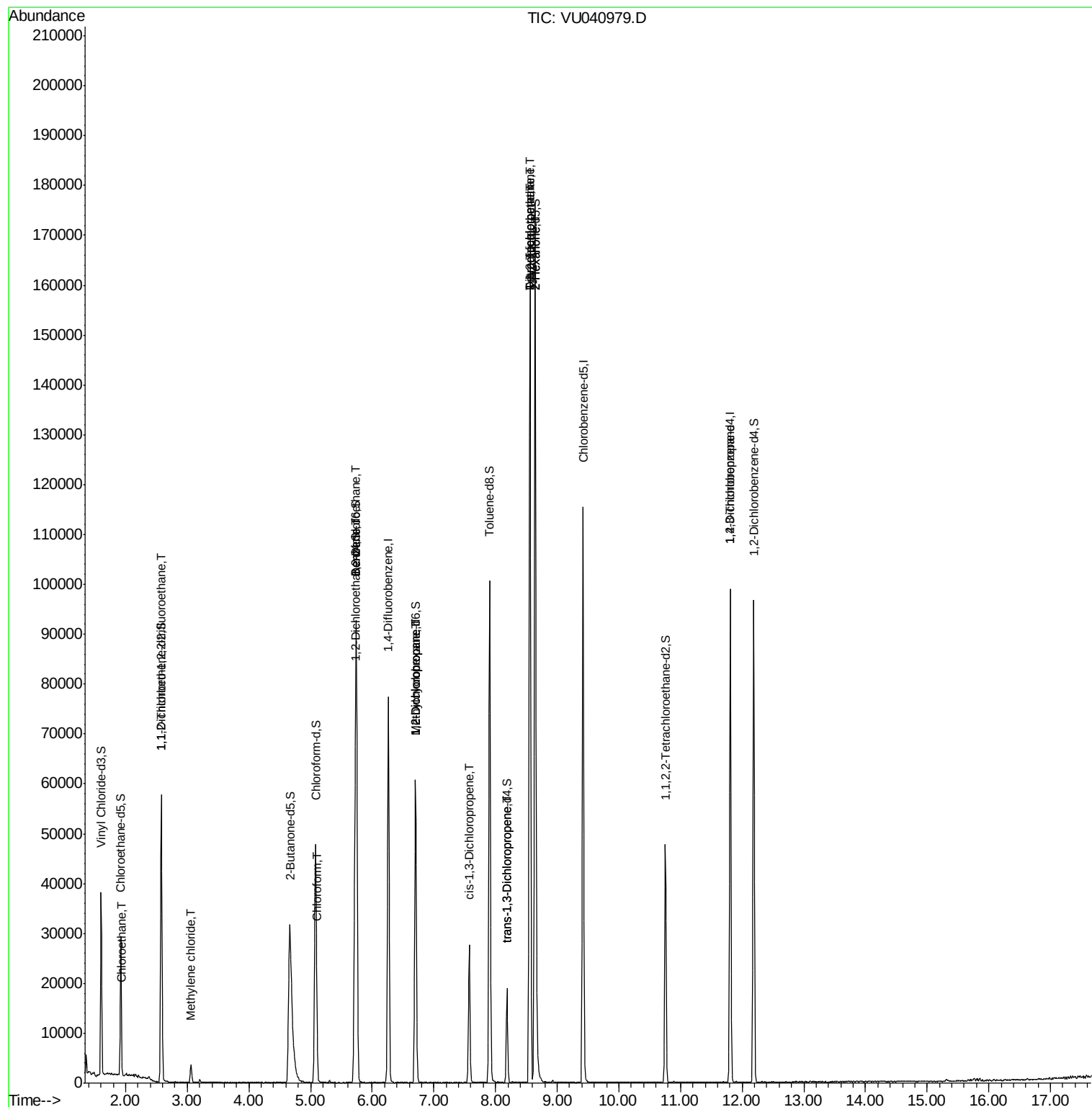
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

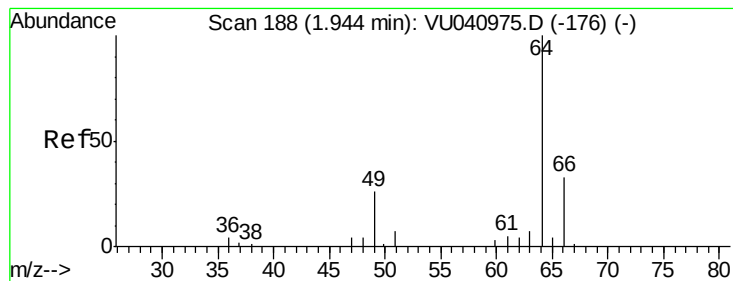
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#8

Chloroethane

Concen: 0.053 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040979.D

Acq: 27 Oct 2020 13:30

Instrument :

MSVOA_U

ClientSampleId :

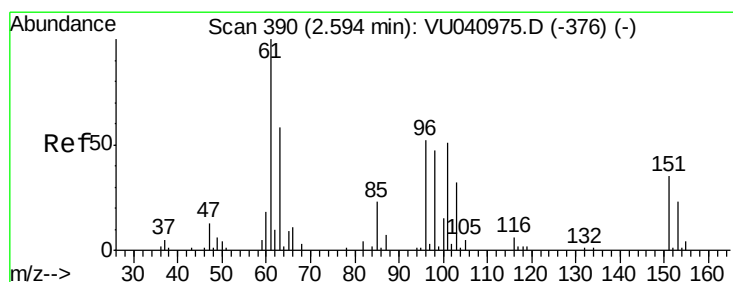
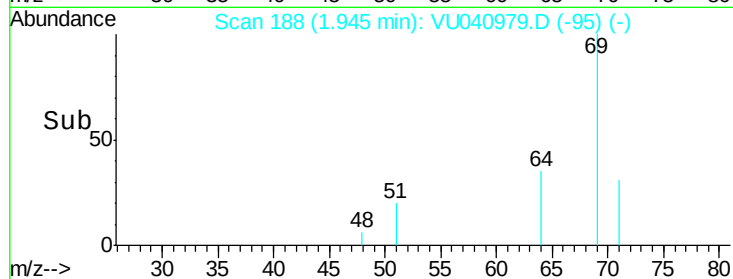
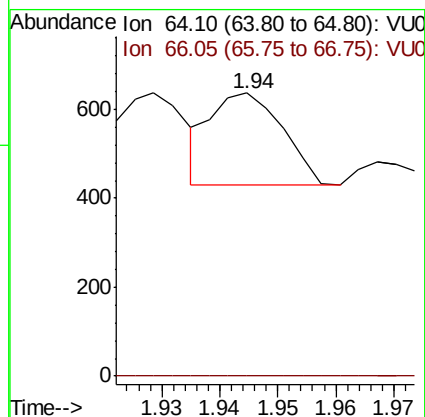
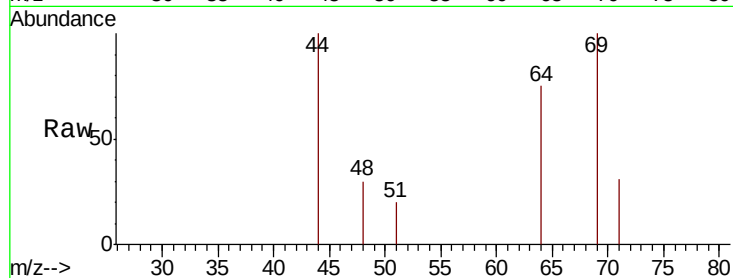
C0AP4DL

Tot Ion: 64 Resp: 177

Ion Ratio Lower Upper

64 100

66 0.0 22.3 41.5#



#10

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

Concen: 0.046 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.02 min

Lab File: VU040979.D

Acq: 27 Oct 2020 13:30

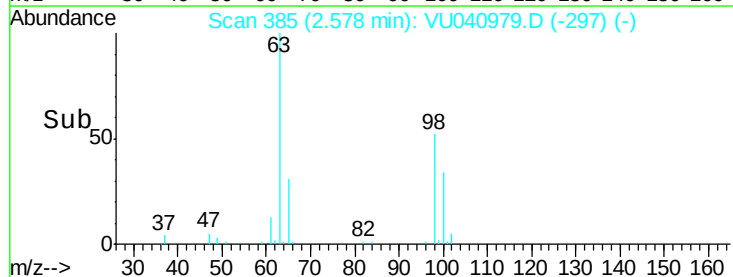
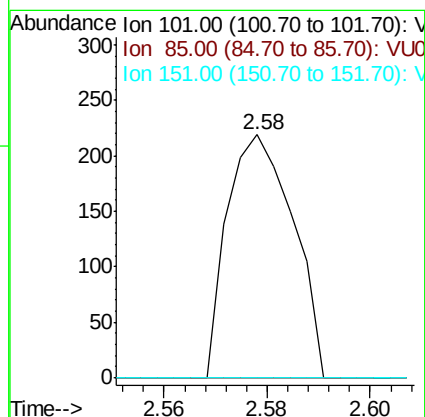
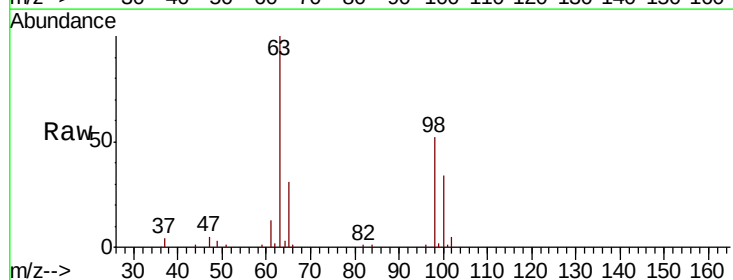
Tgt Ion: 101 Resp: 193

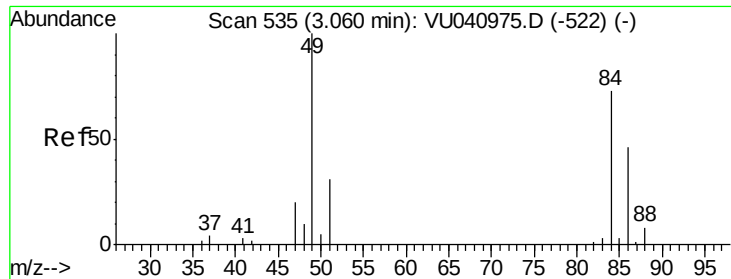
Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

151 0.0 55.3 82.9#

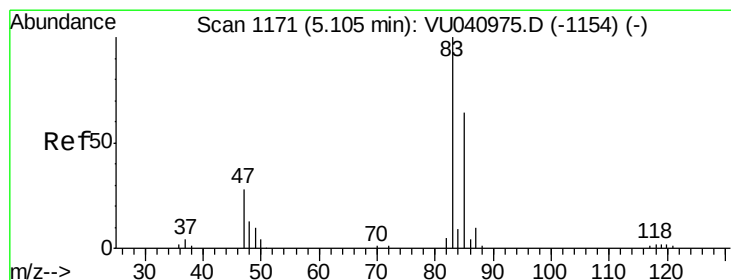
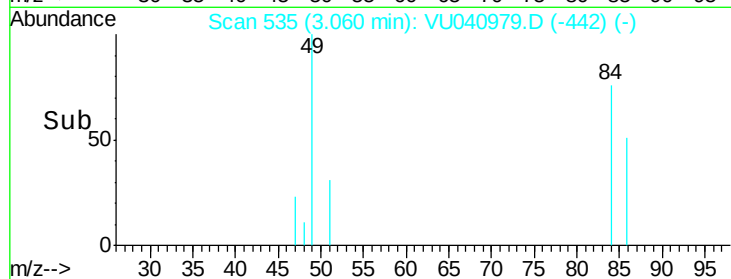
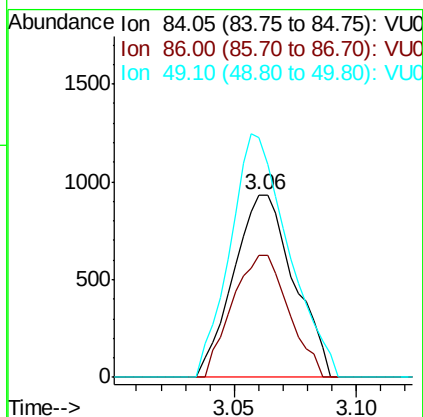
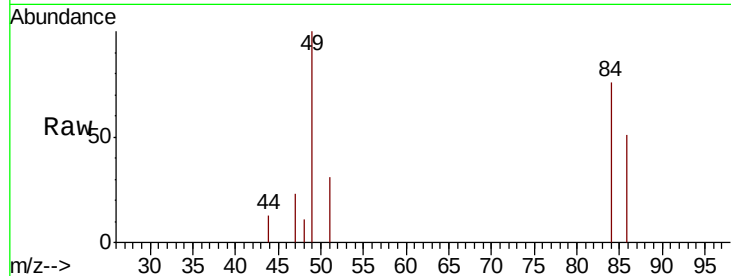




#16
Methvlene chloride
Concen: 0.344 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU040979.D
Acq: 27 Oct 2020 13:30

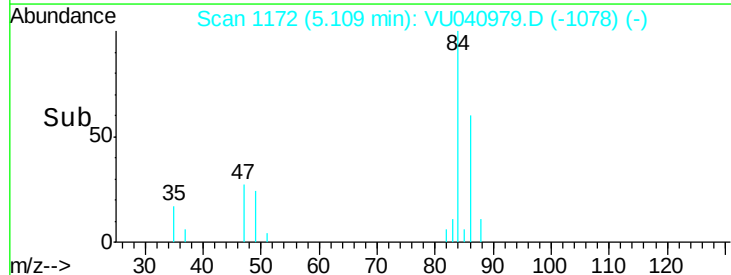
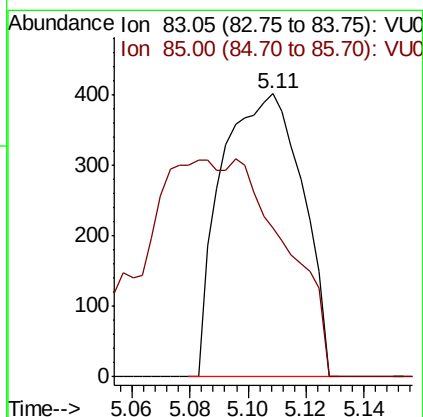
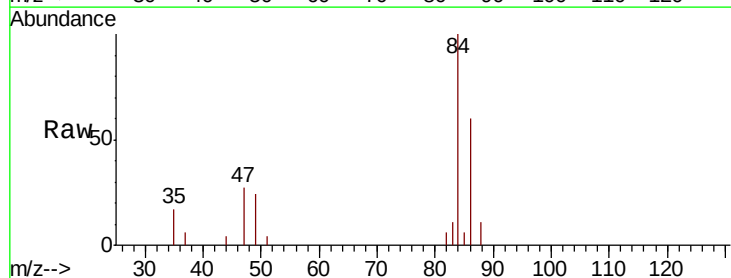
Instrument :
MSVOA_U
ClientSampleId :
C0AP4DL

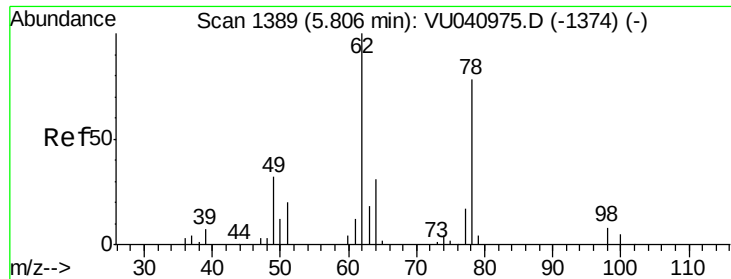
Tot Ion: 84 Resp: 1598
Ion Ratio Lower Upper
84 100
86 66.9 42.8 79.6
49 131.0 99.5 184.7



#25
Chloroform
Concen: 0.096 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040979.D
Acq: 27 Oct 2020 13:30

Tgt Ion: 83 Resp: 777
Ion Ratio Lower Upper
83 100
85 52.5 46.1 85.7

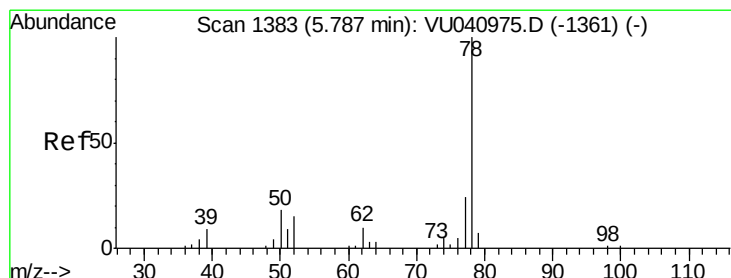
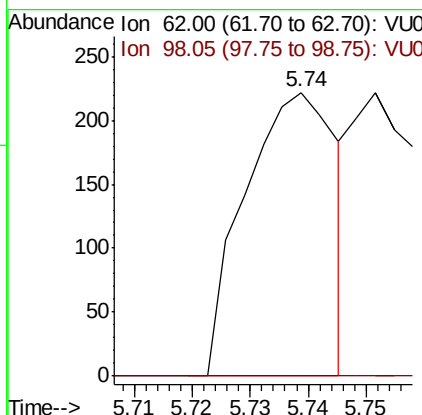
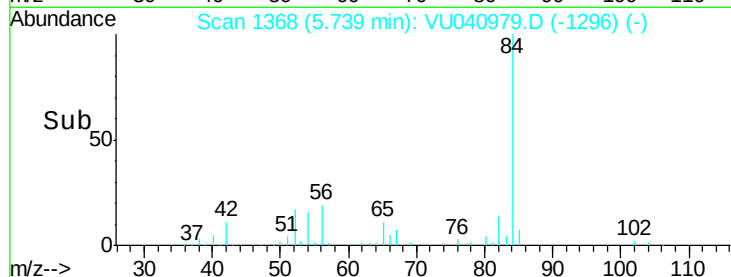
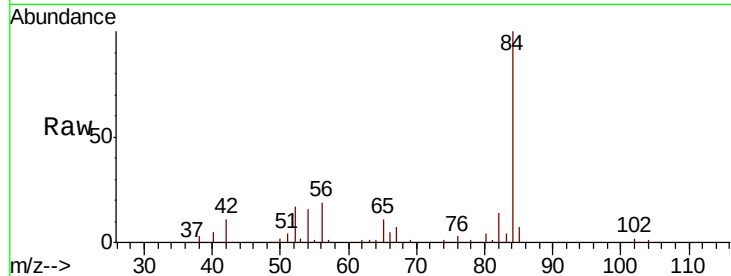




#27
 1,2-Dichloroethane
 Concen: 0.040 ug/L
 RT: 5.74 min Scan# 1368
 Delta R.T. -0.07 min
 Lab File: VU040979.D
 Acq: 27 Oct 2020 13:30

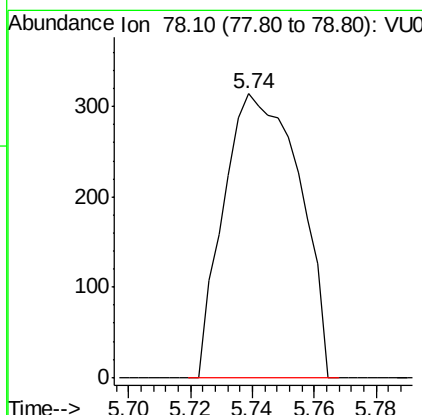
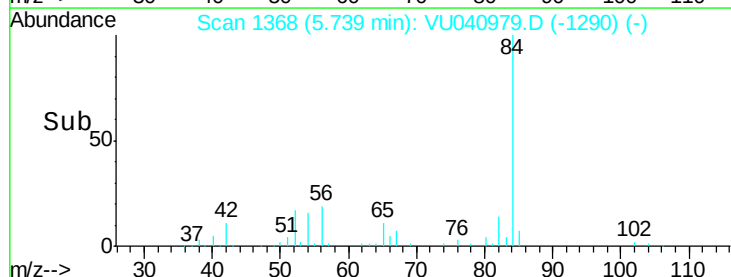
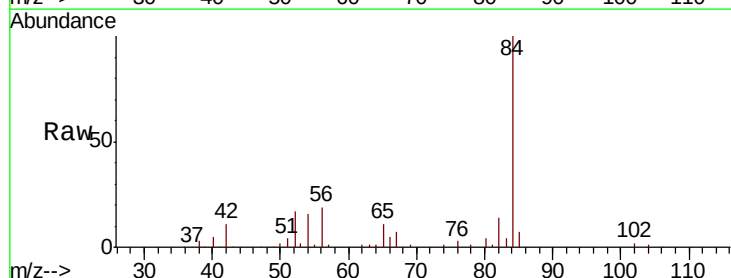
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AP4DL

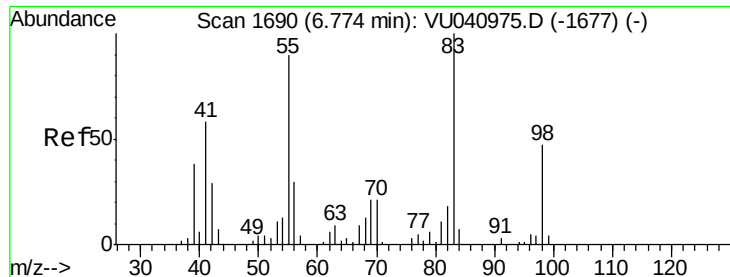
Tot Ion: 62 Resp: 241
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.6 11.4#



#33
 Benzene
 Concen: 0.030 ug/L
 RT: 5.74 min Scan# 1368
 Delta R.T. -0.05 min
 Lab File: VU040979.D
 Acq: 27 Oct 2020 13:30

Tgt Ion: 78 Resp: 534

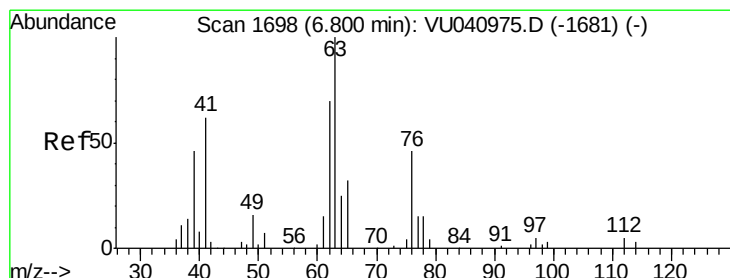
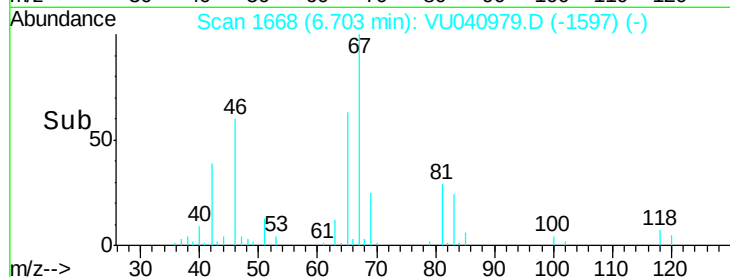
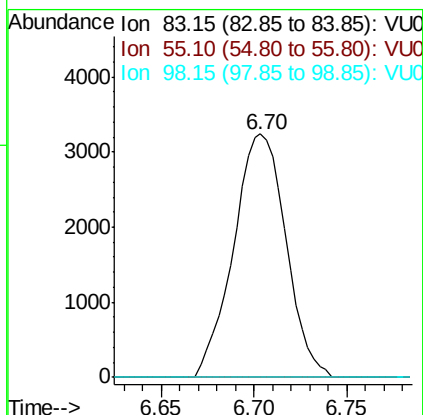
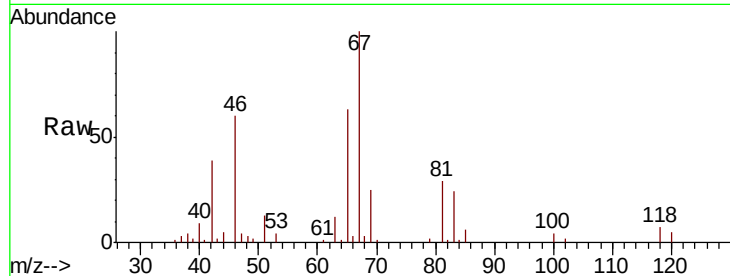




#35
Methylvlcyclohexane
Concen: 0.956 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040979.D
Acq: 27 Oct 2020 13:30

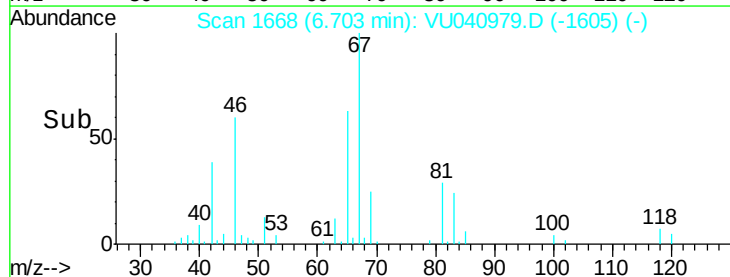
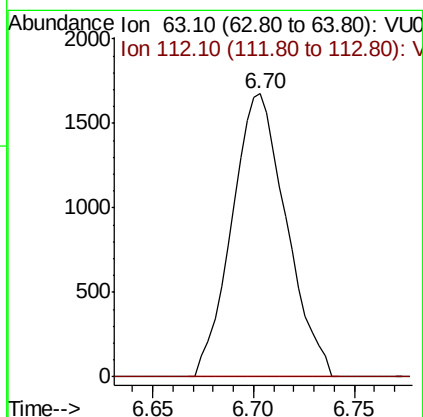
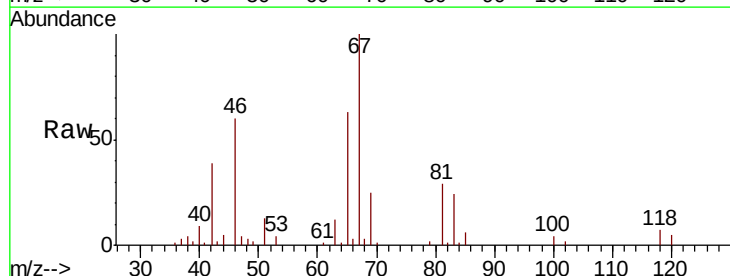
Instrument :
MSVOA_U
ClientSampleId :
C0AP4DL

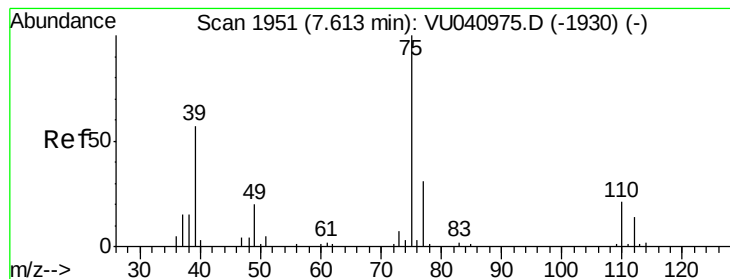
Tot Ion: 83 Resp: 6364
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 0.0 36.6 55.0#



#37
1,2-Dichloropropane
Concen: 0.665 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040979.D
Acq: 27 Oct 2020 13:30

Tgt Ion: 63 Resp: 3155
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#





#39

cis-1,3-Dichloropropene

Concen: 0.105 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU040979.D

Acq: 27 Oct 2020 13:30

Instrument :

MSVOA_U

ClientSampleId :

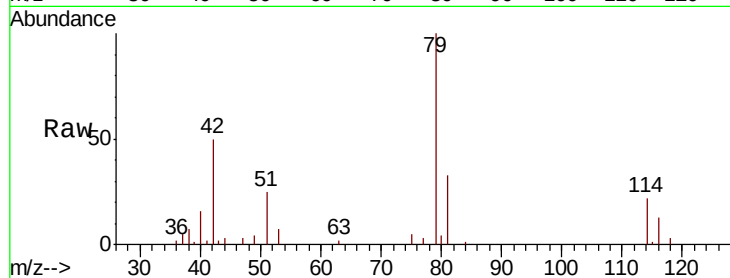
C0AP4DL

Tot Ion: 75 Resp: 687

Ion Ratio Lower Upper

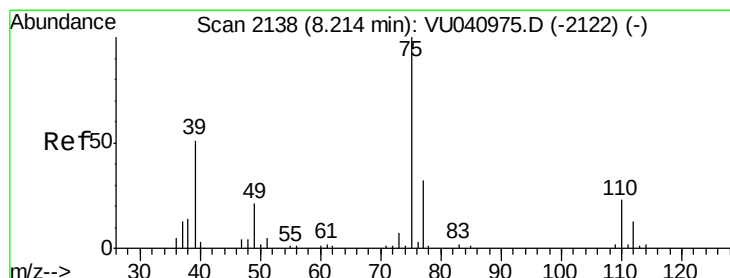
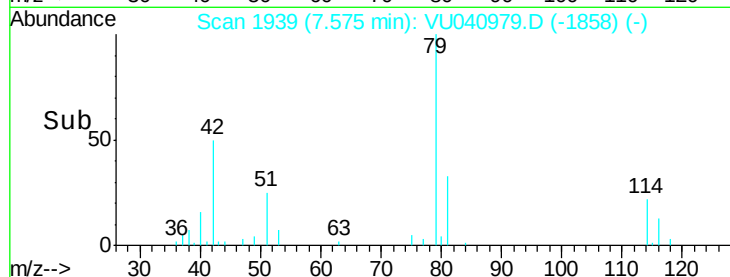
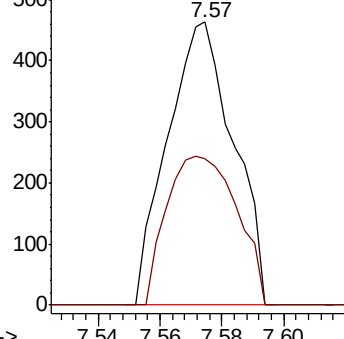
75 100

77 51.6 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: 0.066 ug/L

RT: 8.18 min Scan# 2127

Delta R.T. -0.04 min

Lab File: VU040979.D

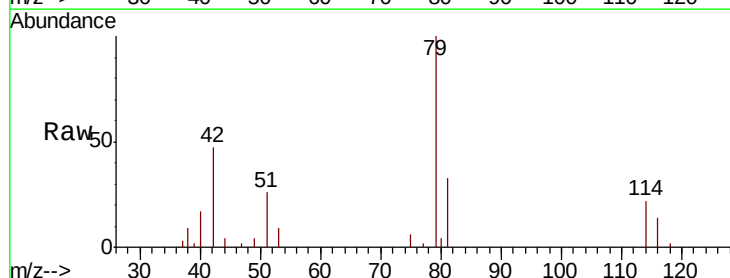
Acq: 27 Oct 2020 13:30

Tgt Ion: 75 Resp: 401

Ion Ratio Lower Upper

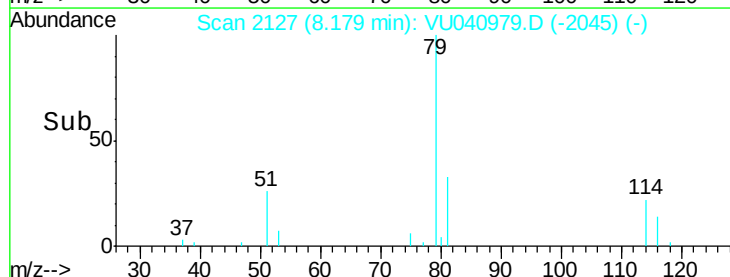
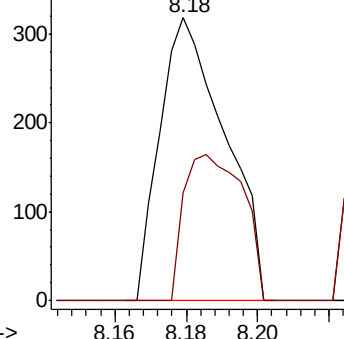
75 100

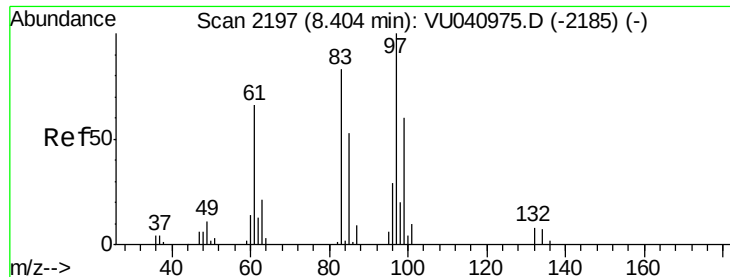
77 38.1 23.3 43.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

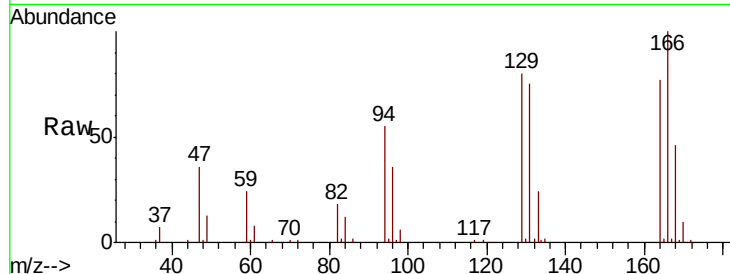




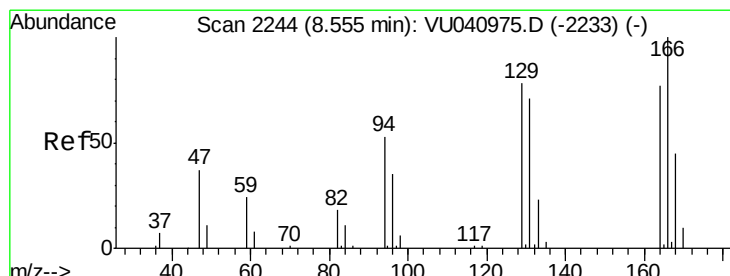
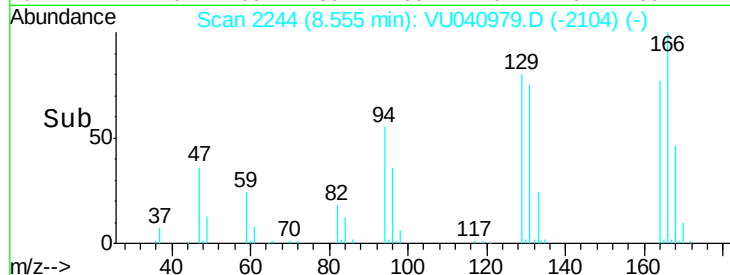
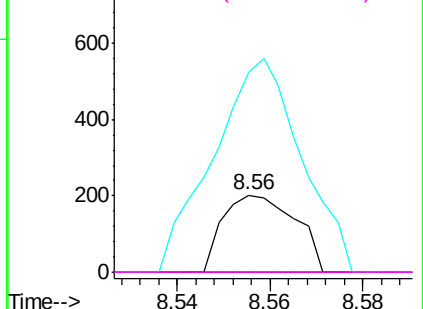
#45
 1,1,2-Trichloroethane
 Concen: 0.062 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. 0.15 min
 Lab File: VU040979.D
 Acq: 27 Oct 2020 13:30

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AP4DL

Tot Ion: 97 Resp: 219
 Ion Ratio Lower Upper
 97 100
 99 0.0 45.8 85.2#
 83 259.9 67.9 126.1#
 85 0.0 42.8 79.6#

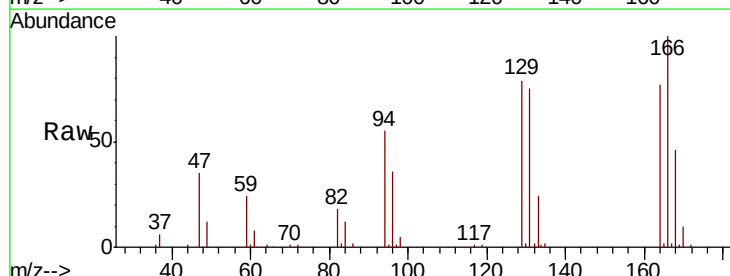


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

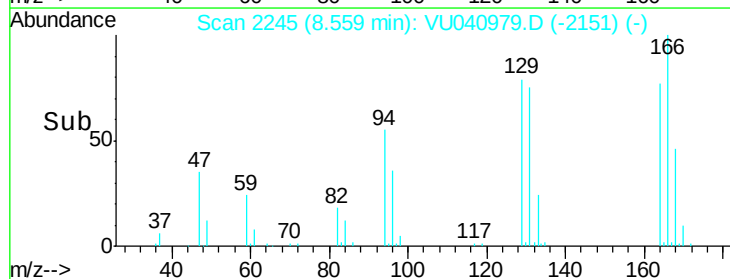
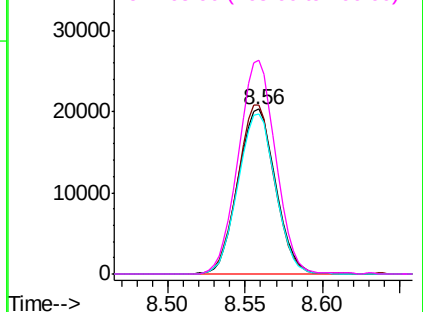


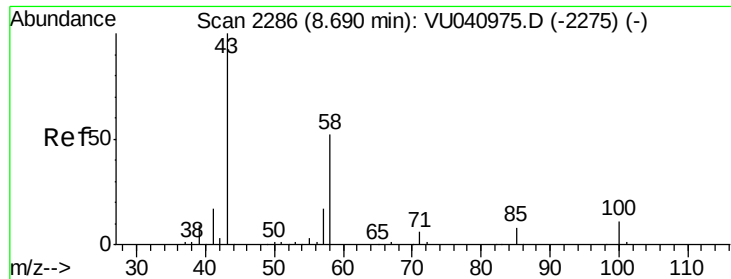
#47
 Tetrachloroethene
 Concen: 10.471 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU040979.D
 Acq: 27 Oct 2020 13:30

Tgt Ion:164 Resp: 34354
 Ion Ratio Lower Upper
 164 100
 129 102.3 70.3 130.7
 131 97.4 70.8 131.4
 166 129.5 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

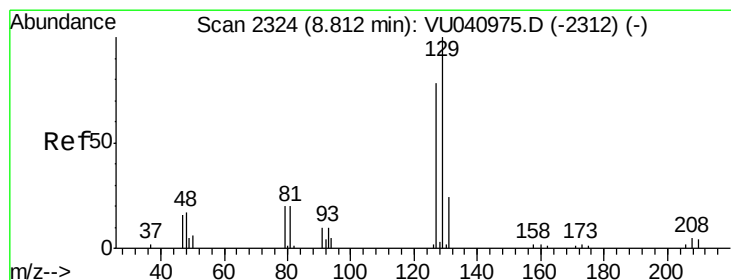
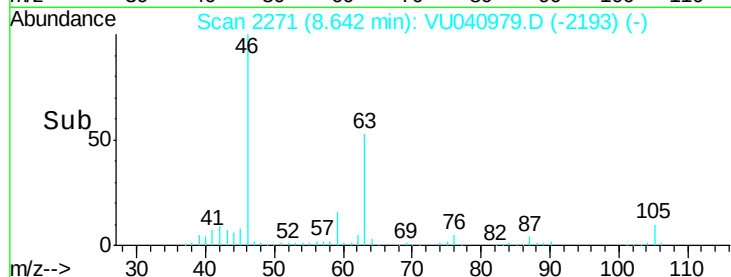
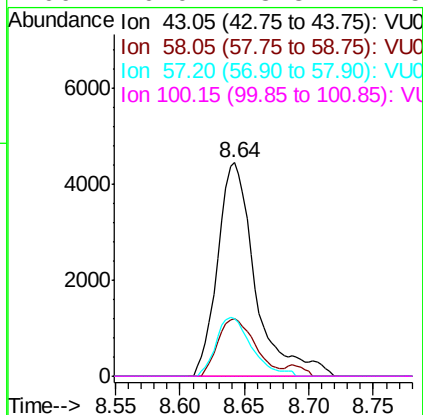
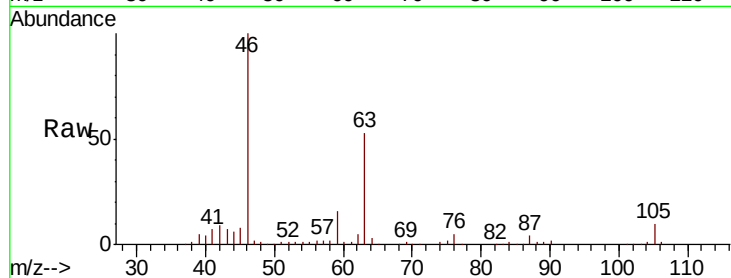




#48
2-Hexanone
Concen: 3.171 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU040979.D
Acq: 27 Oct 2020 13:30

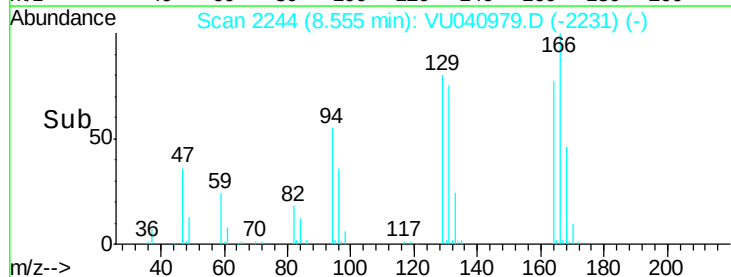
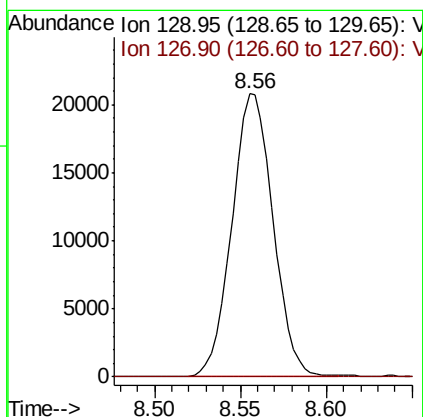
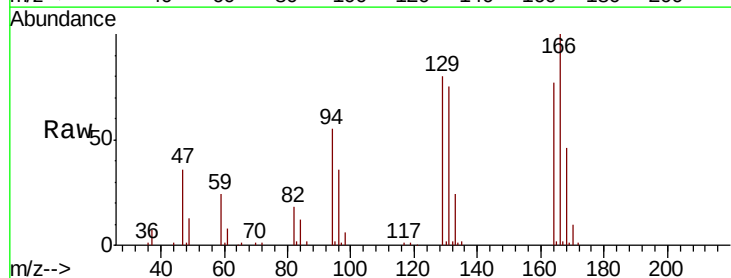
Instrument :
MSVOA_U
ClientSampleId :
C0AP4DL

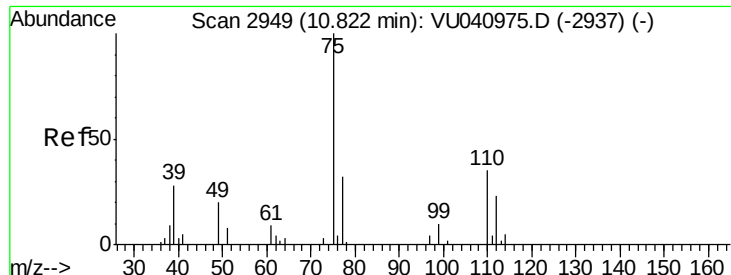
Tot Ion: 43 Resp: 9031
Ion Ratio Lower Upper
43 100
58 26.7 41.4 62.2#
57 26.2 14.6 21.8#
100 0.0 8.3 12.5#



#49
Dibromochloromethane
Concen: 8.430 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.26 min
Lab File: VU040979.D
Acq: 27 Oct 2020 13:30

Tgt Ion: 129 Resp: 34574
Ion Ratio Lower Upper
129 100
127 0.0 53.4 99.2#





#59

1,2,3-Trichloropropane

Concen: 0.897 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040979.D

Acq: 27 Oct 2020 13:30

Instrument :

MSVOA_U

ClientSampleId :

C0AP4DL

Tot Ion: 75 Resp: 3172

Ion Ratio Lower Upper

75 100

77 38.3 25.7 38.5

