

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102620\
 Data File : VU040960.D
 Acq On : 26 Oct 2020 22:48
 Operator : SY/MD
 Sample : L4492-16
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AP4

Quant Time: Oct 27 05:32:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 27 05:24:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	63469	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	66093	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	26810	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	27113	5.08	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.60%
7) Chloroethane-d5	1.92	69	21405	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.40%
11) 1,1-Dichloroethene-d2	2.58	63	40598	3.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.60%
20) 2-Butanone-d5	4.66	46	93244	53.10	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.20%
24) Chloroform-d	5.08	84	47581	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
26) 1,2-Dichloroethane-d4	5.72	65	29136	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
32) Benzene-d6	5.74	84	88326	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
36) 1,2-Dichloropropane-d6	6.70	67	29851	5.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.80%
41) Toluene-d8	7.91	98	70951	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
43) trans-1,3-Dichloropropene-	8.19	79	11336	4.54	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.80%
46) 2-Hexanone-d5	8.64	63	76427	56.90	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.80%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	26012	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	26925	5.72	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.40%

Target Compounds

				Ovalue
3) Chloromethane	1.53	50	330	0.055 ug/L # 77
8) Chloroethane	1.93	64	308	0.082 ug/L # 43
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	329	0.069 ug/L # 22
12) 1,1-Dichloroethene	2.59	96	336	0.075 ug/L # 1
13) Acetone	2.66	43	1368	1.140 ug/L # 12
14) Carbon disulfide	2.81	76	2033	0.136 ug/L # 74
15) Methyl Acetate	2.97	43	1717	0.625 ug/L # 55
25) Chloroform	5.11	83	3210	0.351 ug/L 88
27) 1,2-Dichloroethane	5.75	62	603	0.089 ug/L # 74
33) Benzene	5.79	78	970	0.049 ug/L 100
34) Trichloroethene	6.56	95	3913	0.779 ug/L 91
35) Methylcyclohexane	6.77	83	547	0.073 ug/L # 74
37) 1,2-Dichloropropane	6.70	63	3435	0.643 ug/L # 86
38) Bromodichloromethane	7.12	83	1742	0.251 ug/L # 89
39) cis-1,3-Dichloropropene	7.57	75	851	0.116 ug/L # 70
42) Toluene	7.97	91	2471	0.123 ug/L 97
44) trans-1,3-Dichloropropene	8.19	75	614	0.089 ug/L 97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102620\
Data File : VU040960.D
Acq On : 26 Oct 2020 22:48
Operator : SY/MD
Sample : L4492-16
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AP4

Quant Time: Oct 27 05:32:12 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 27 05:24:32 2020
Response via : Initial Calibration

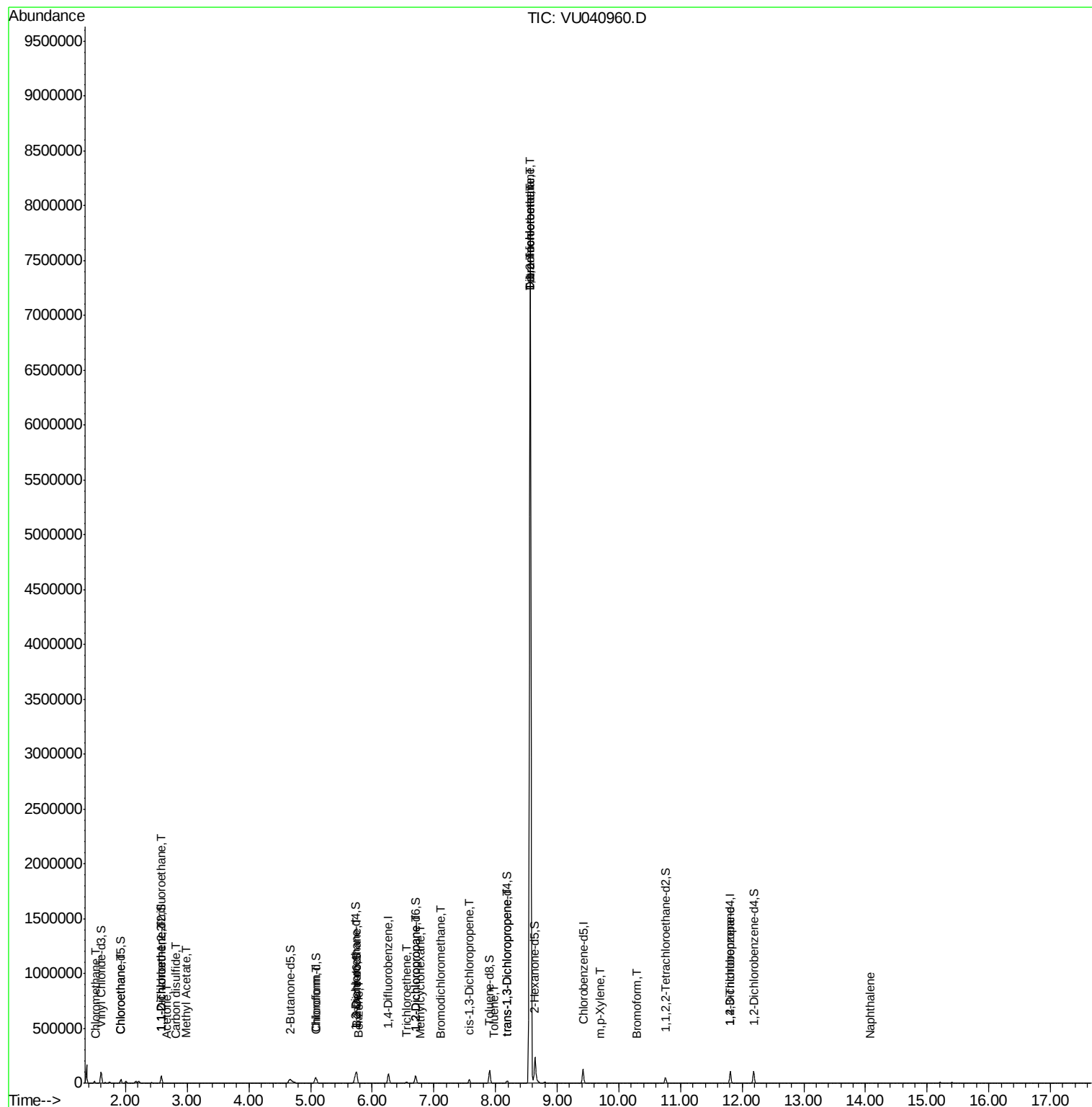
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.56	97	16800	4.223	ug/L #	4
47) Tetrachloroethene	8.56	164	1555993	421.045	ug/L	97
49) Dibromochloromethane	8.56	129	1599930	346.335	ug/L #	11
53) m,p-Xylene	9.69	106	543	0.071	ug/L	75
59) 1,2,3-Trichloropropane	11.81	75	3990	1.002	ug/L	92
61) Bromoform	10.29	173	257	0.124	ug/L #	37
69) Naphthalene	14.08	128	476	0.059	ug/L #	69

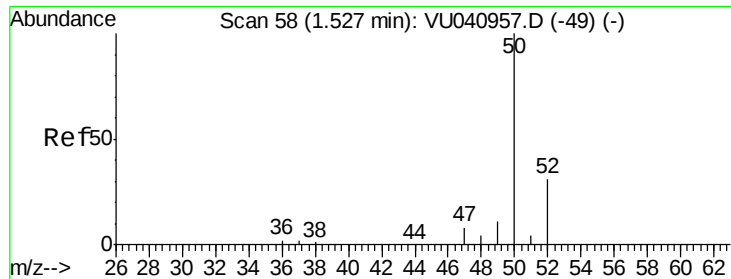
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU102620\
Data File : VU040960.D
Acq On : 26 Oct 2020 22:48
Operator : SY/MD
Sample : L4492-16
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AP4

Quant Time: Oct 27 05:32:12 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 27 05:24:32 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.055 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040960.D

Acq: 26 Oct 2020 22:48

Instrument :

MSVOA_U

ClientSampleId :

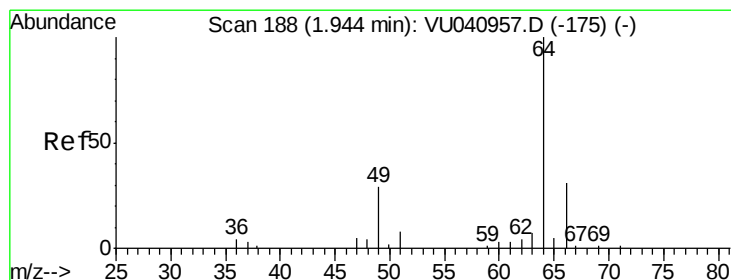
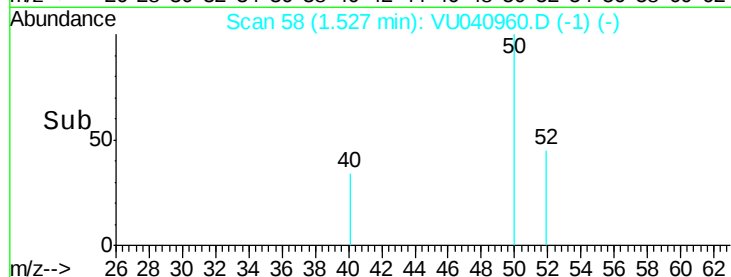
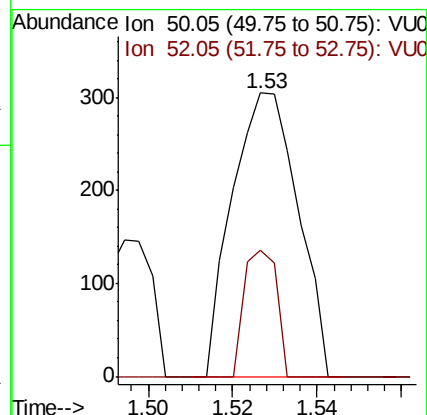
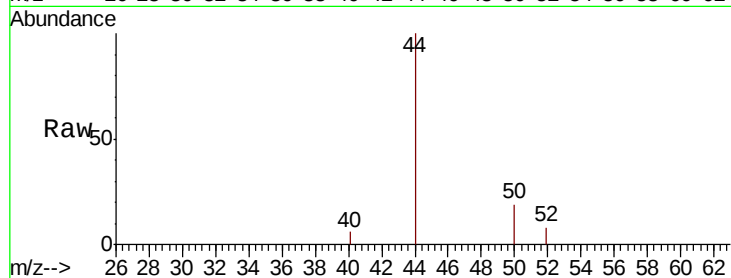
C0AP4

Tot Ion: 50 Resp: 330

Ion Ratio Lower Upper

50 100

52 44.6 22.4 41.6#



#8

Chloroethane

Concen: 0.082 ug/L

RT: 1.93 min Scan# 183

Delta R.T. -0.02 min

Lab File: VU040960.D

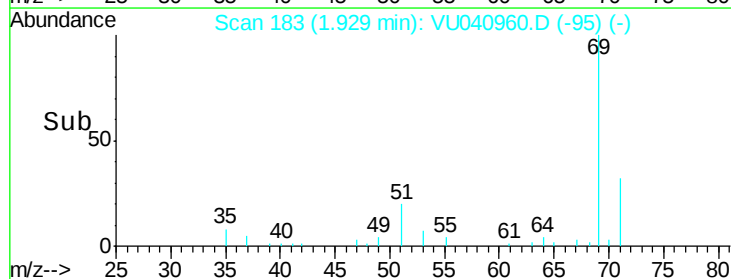
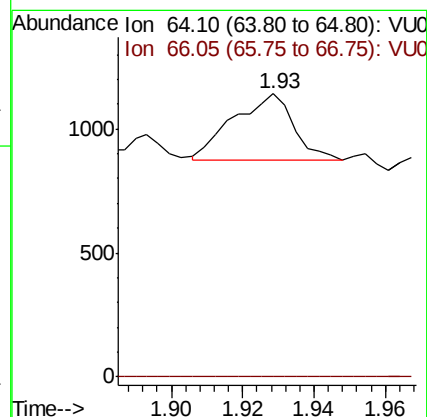
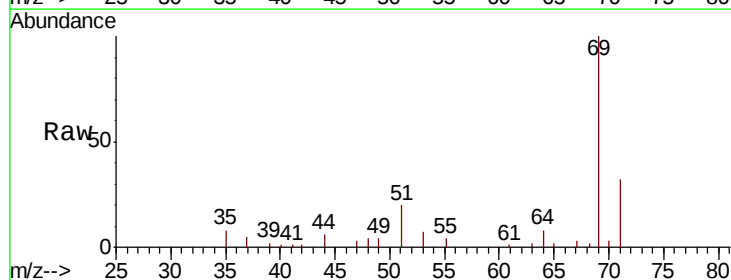
Acq: 26 Oct 2020 22:48

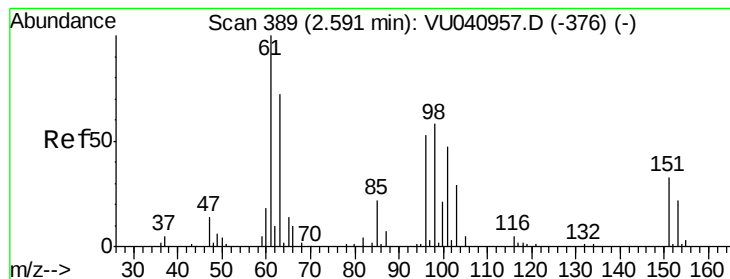
Tgt Ion: 64 Resp: 308

Ion Ratio Lower Upper

64 100

66 0.0 22.3 41.5#





#10

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

Concen: 0.069 ug/L

RT: 2.57 min Scan# 384

Delta R.T. -0.02 min

Lab File: VU040960.D

Acq: 26 Oct 2020 22:48

Instrument :

MSVOA_U

ClientSampleId :

C0AP4

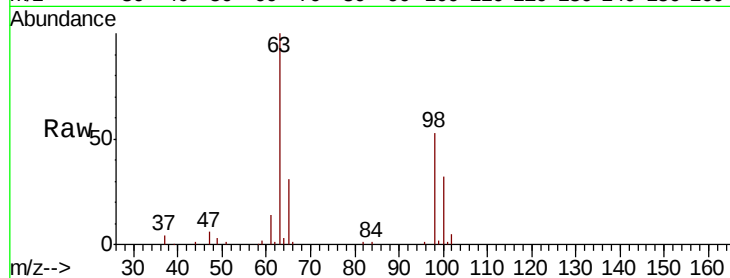
Tot Ion:101 Resp: 329

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

151 0.0 55.3 82.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

2.57

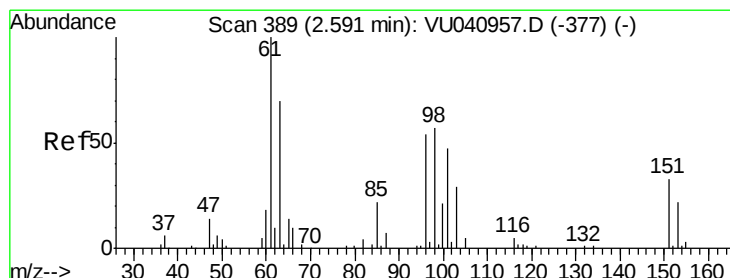
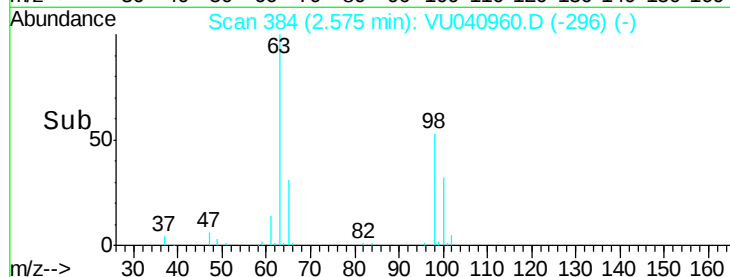
200

100

0

2.56 2.58 2.60

Time-->



#12

1,1-Dichloroethene

Concen: 0.075 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU040960.D

Acq: 26 Oct 2020 22:48

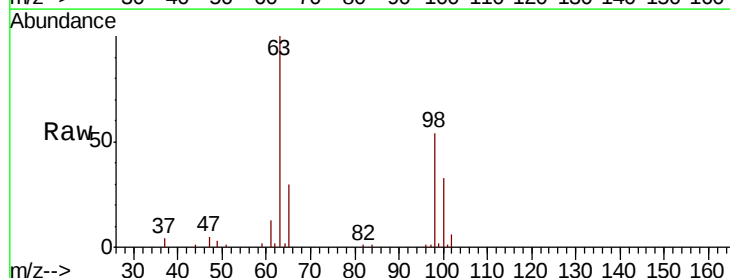
Tgt Ion: 96 Resp: 336

Ion Ratio Lower Upper

96 100

61 985.1 134.3 249.5#

63 7797.6 95.0 176.4#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

30000

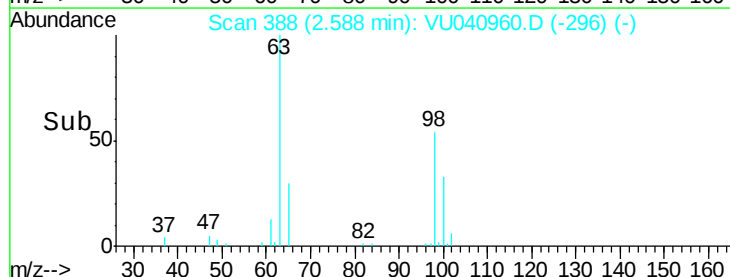
20000

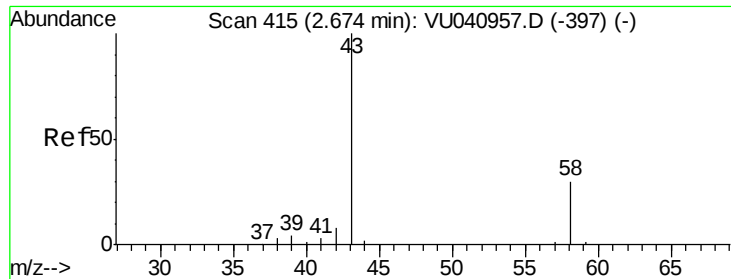
10000

0

2.56 2.58 2.60

Time-->





#13

Acetone

Concen: 1.140 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.01 min

Lab File: VU040960.D

Acq: 26 Oct 2020 22:48

Instrument :

MSVOA_U

ClientSampled :

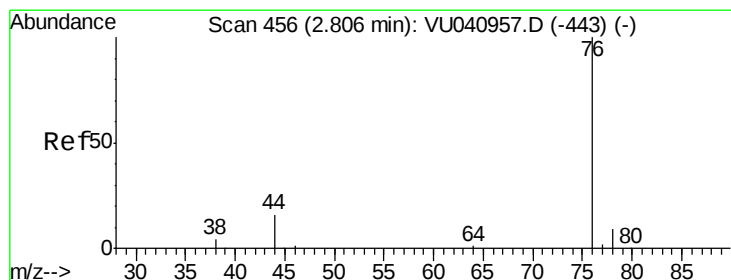
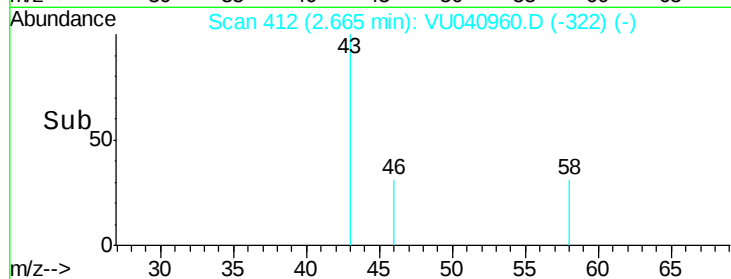
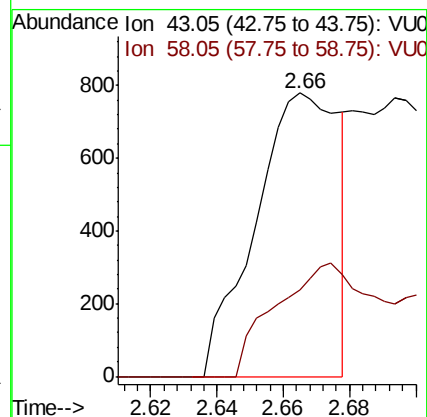
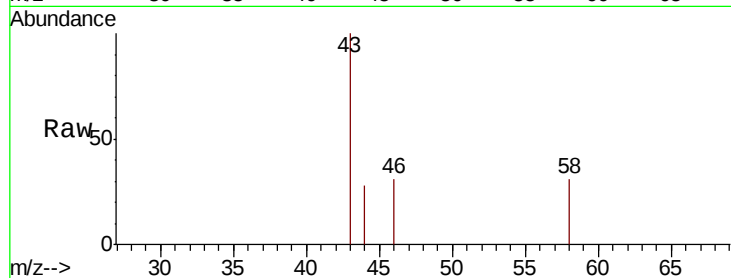
C0AP4

Tot Ion: 43 Resp: 1368

Ion Ratio Lower Upper

43 100

58 47.4 0.0 25.4#



#14

Carbon disulfide

Concen: 0.136 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU040960.D

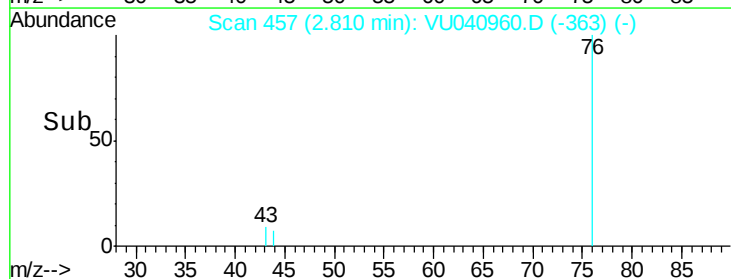
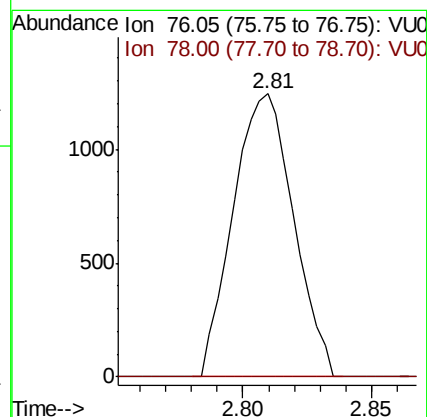
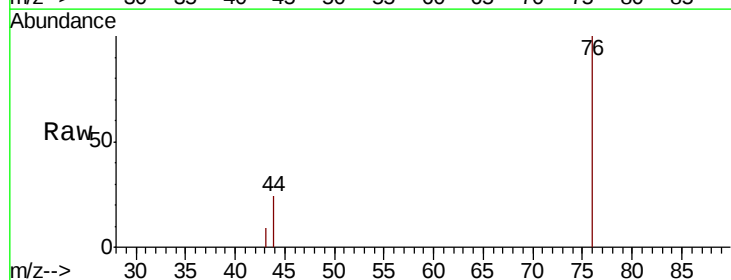
Acq: 26 Oct 2020 22:48

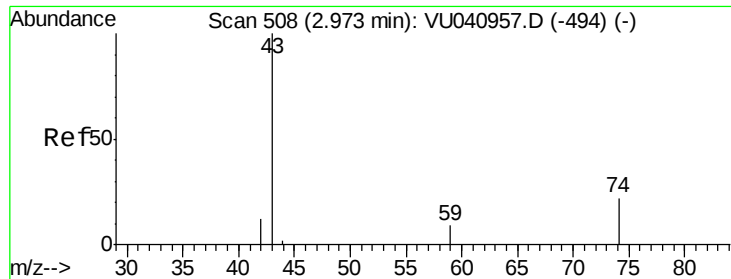
Tgt Ion: 76 Resp: 2033

Ion Ratio Lower Upper

76 100

78 0.0 7.5 11.3#

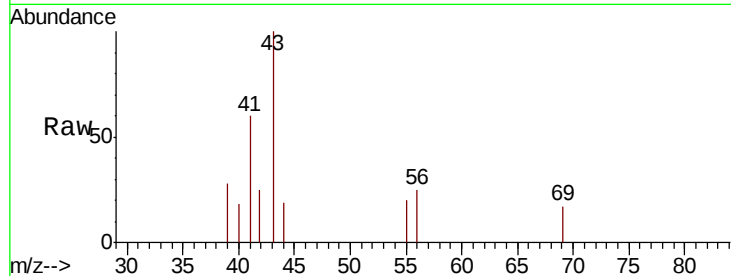




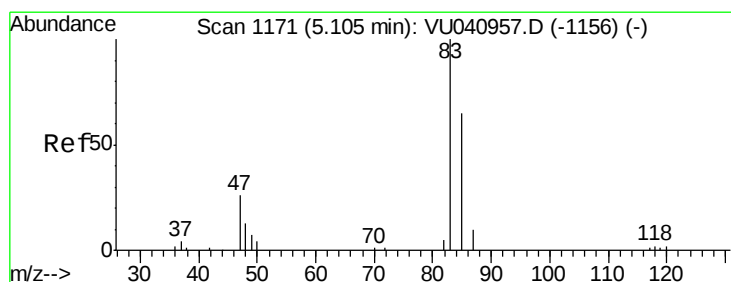
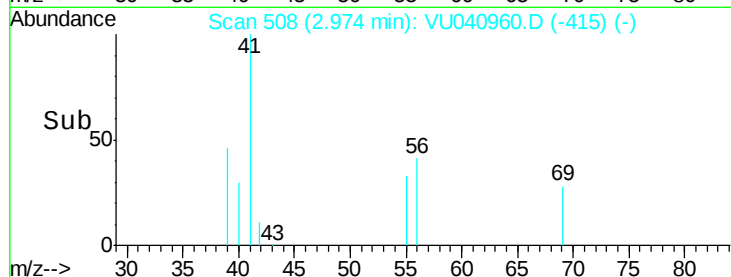
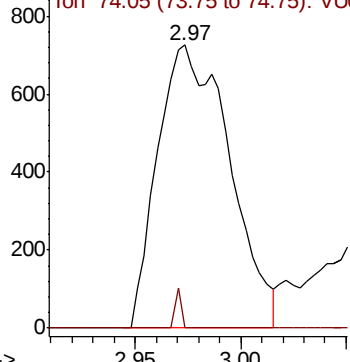
#15
Methvl Acetate
Concen: 0.625 ug/L
RT: 2.97 min Scan# 508
Delta R.T. 0.00 min
Lab File: VU040960.D
Acq: 26 Oct 2020 22:48

Instrument :
MSVOA_U
ClientSampleId :
C0AP4

Tot Ion: 43 Resp: 1717
Ion Ratio Lower Upper
43 100
74 1.2 18.3 27.5#

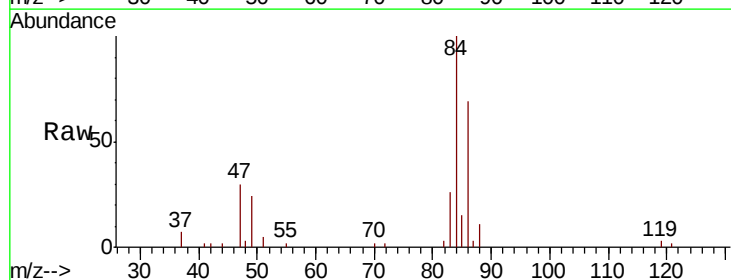


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 74.05 (73.75 to 74.75): VU0

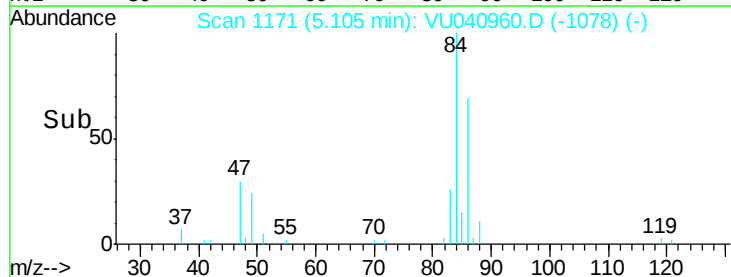
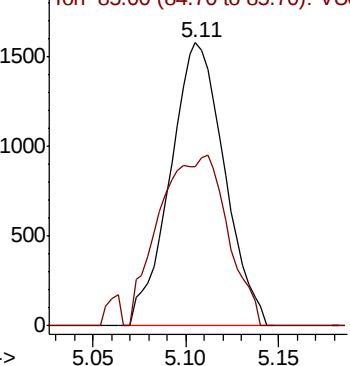


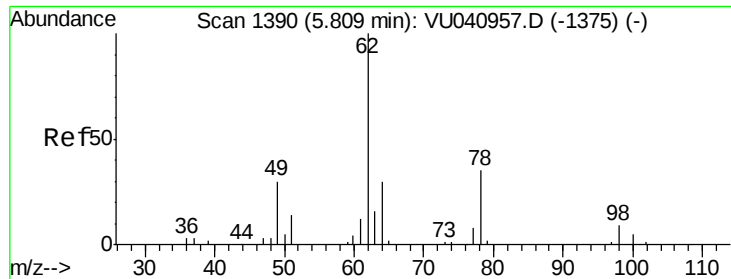
#25
Chloroform
Concen: 0.351 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040960.D
Acq: 26 Oct 2020 22:48

Tgt Ion: 83 Resp: 3210
Ion Ratio Lower Upper
83 100
85 56.5 46.1 85.7



Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0

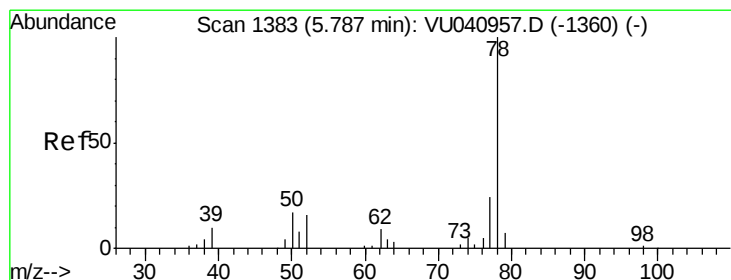
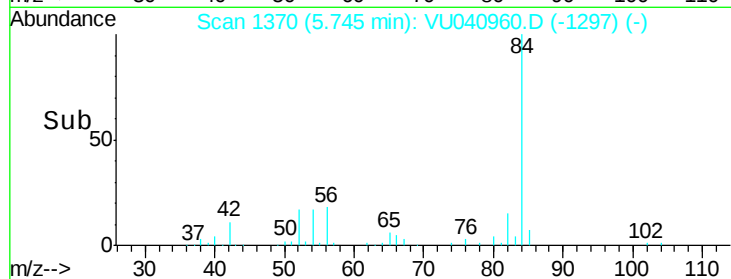
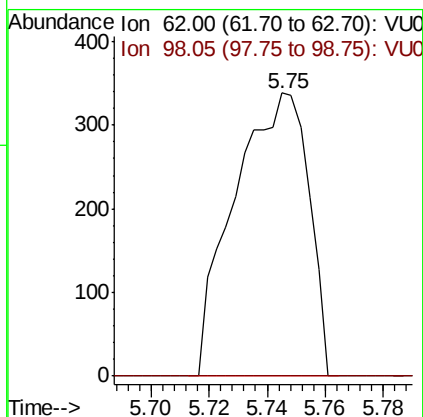
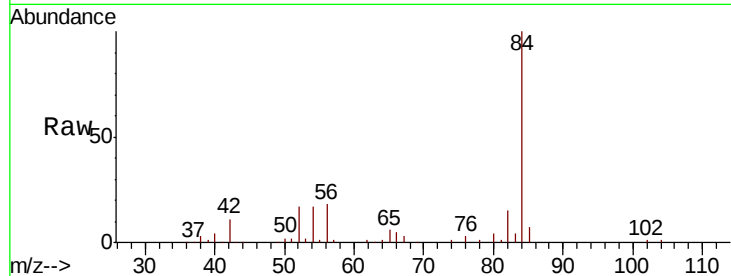




#27
 1,2-Dichloroethane
 Concen: 0.089 ug/L
 RT: 5.75 min Scan# 1370
 Delta R.T. -0.06 min
 Lab File: VU040960.D
 Acq: 26 Oct 2020 22:48

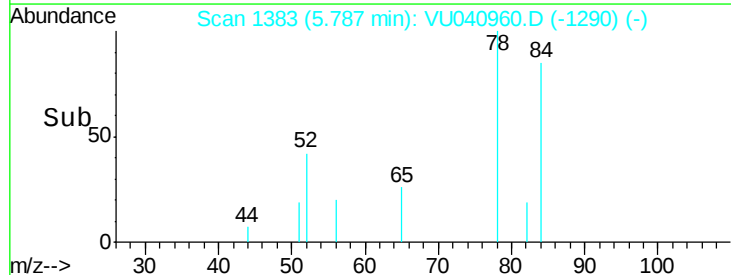
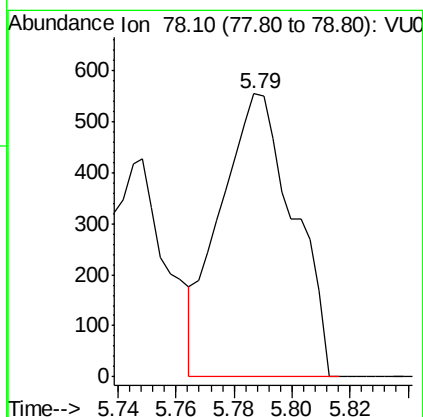
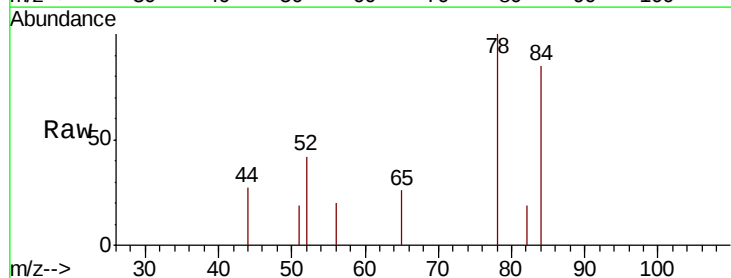
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AP4

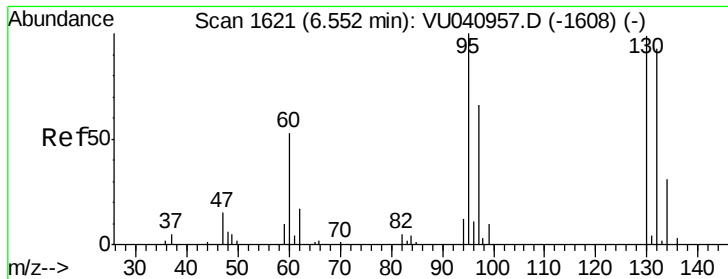
Tot Ion: 62 Resp: 603
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.6 11.4#



#33
 Benzene
 Concen: 0.049 ug/L
 RT: 5.79 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: VU040960.D
 Acq: 26 Oct 2020 22:48

Tgt Ion: 78 Resp: 970

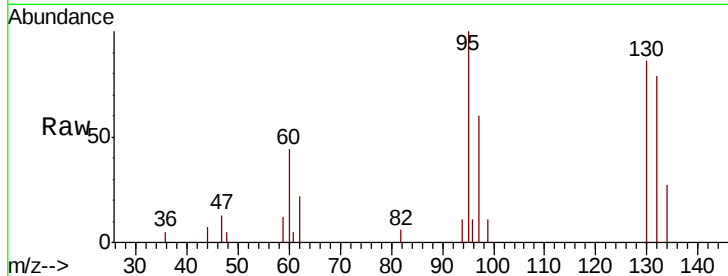




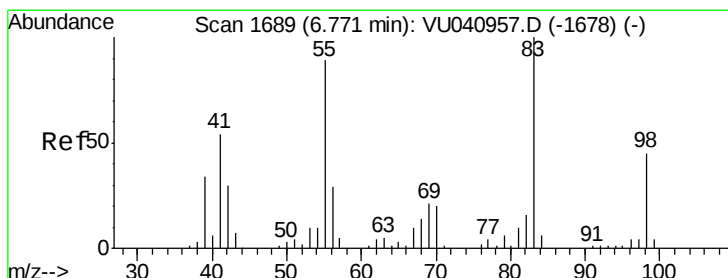
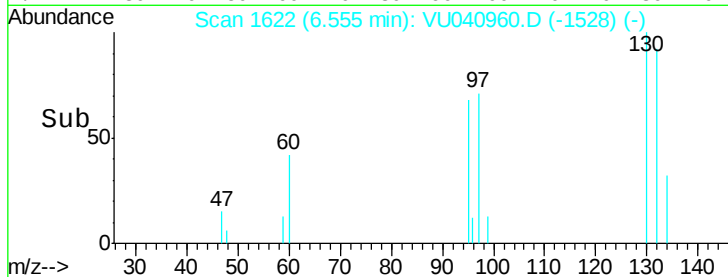
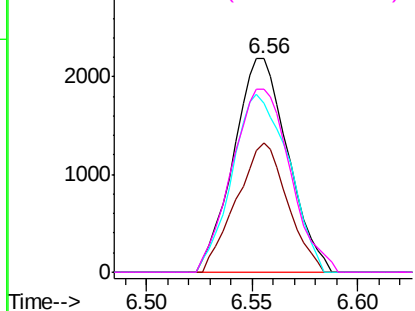
#34
 Trichloroethene
 Concen: 0.779 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU040960.D
 Acq: 26 Oct 2020 22:48

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AP4

Tot Ion: 95 Resp: 3913
 Ion Ratio Lower Upper
 95 100
 97 60.5 45.6 84.6
 132 79.3 64.8 120.4
 130 85.7 64.8 120.4

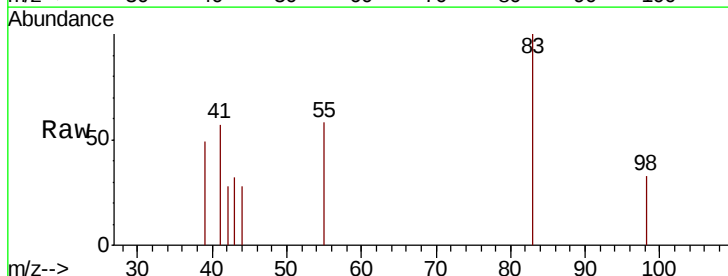


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

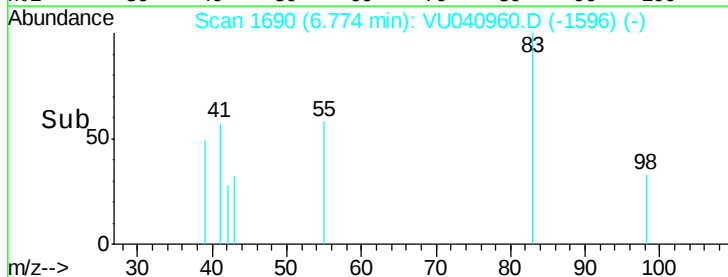
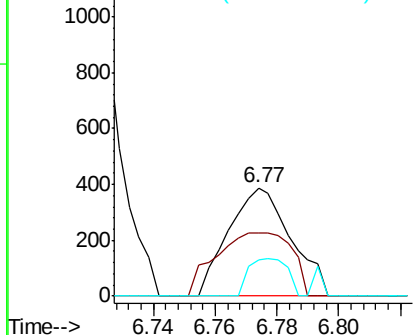


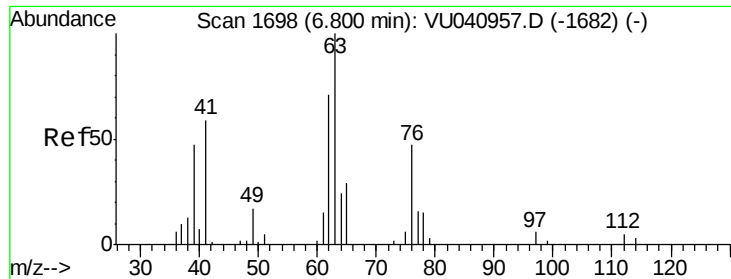
#35
 Methylcyclohexane
 Concen: 0.073 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU040960.D
 Acq: 26 Oct 2020 22:48

Tgt Ion: 83 Resp: 547
 Ion Ratio Lower Upper
 83 100
 55 70.4 72.0 108.0#
 98 21.2 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

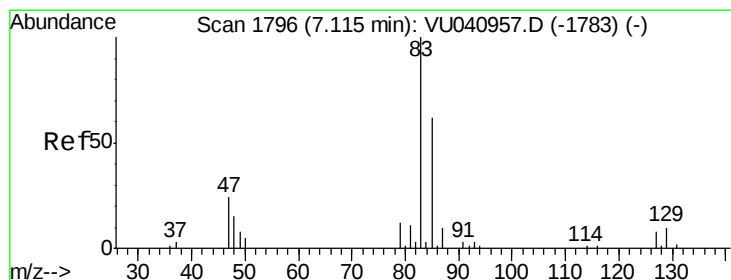
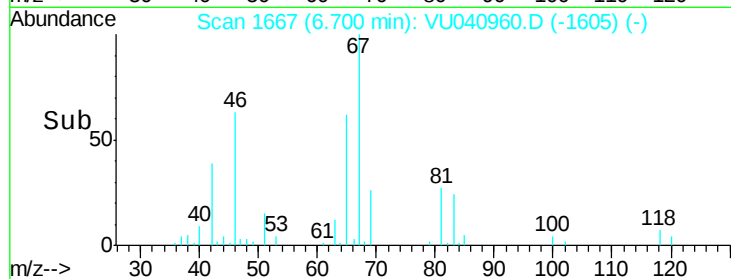
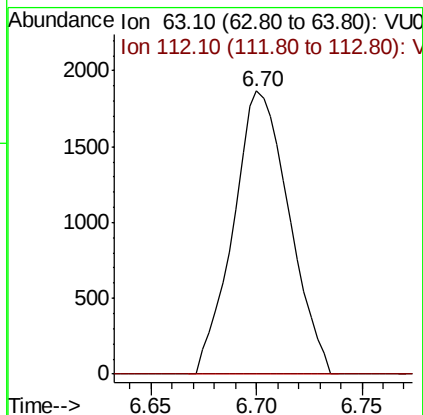
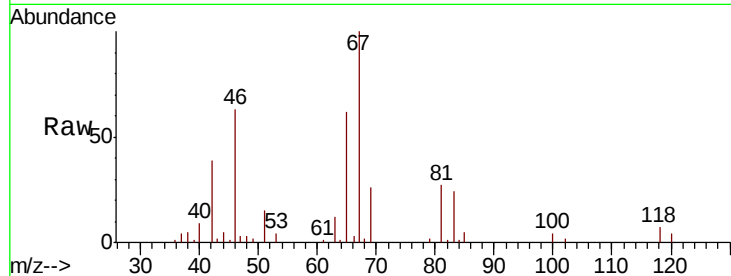




#37
 1,2-Dichloropropane
 Concen: 0.643 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU040960.D
 Acq: 26 Oct 2020 22:48

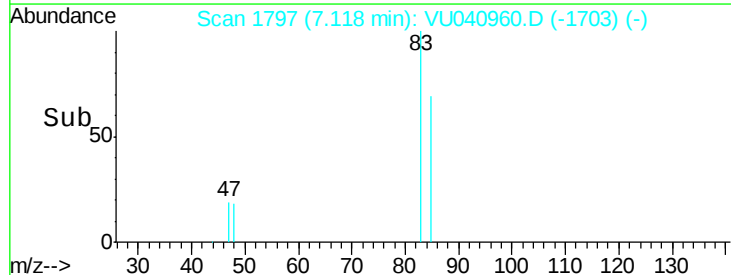
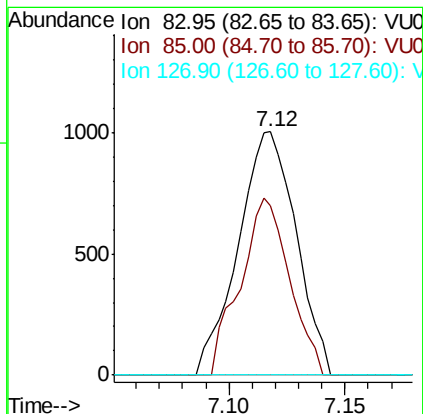
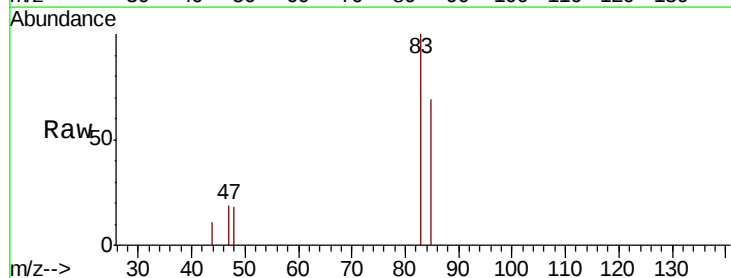
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AP4

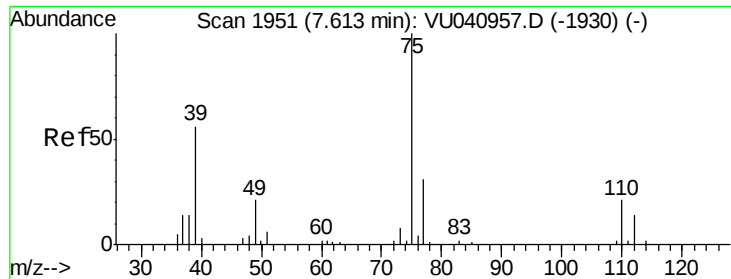
Tot Ion: 63 Resp: 3435
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#38
 Bromodichloromethane
 Concen: 0.251 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU040960.D
 Acq: 26 Oct 2020 22:48

Tgt Ion: 83 Resp: 1742
 Ion Ratio Lower Upper
 83 100
 85 69.5 43.3 80.3
 127 0.0 5.9 8.9#

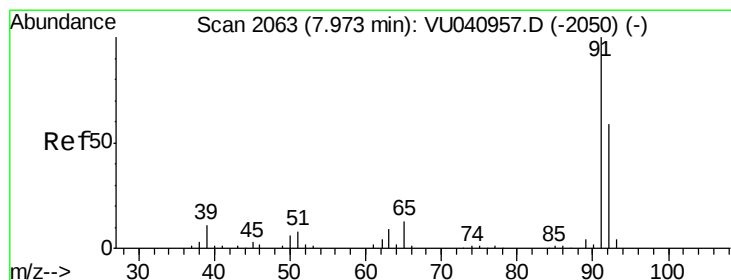
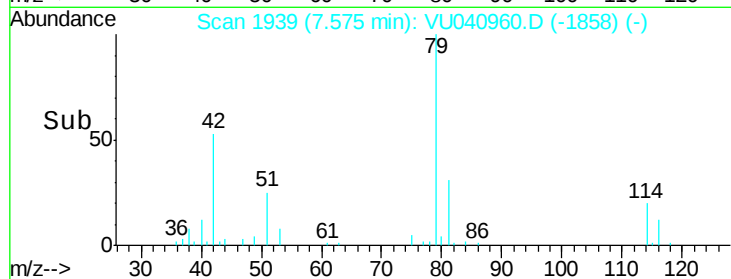
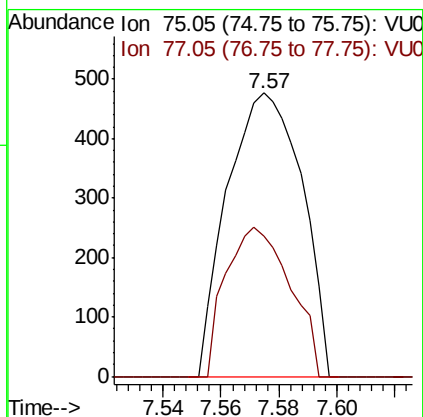
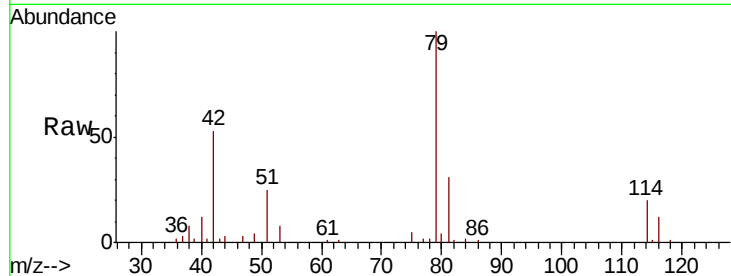




#39
 cis-1,3-Dichloropropene
 Concen: 0.116 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040960.D
 Acq: 26 Oct 2020 22:48

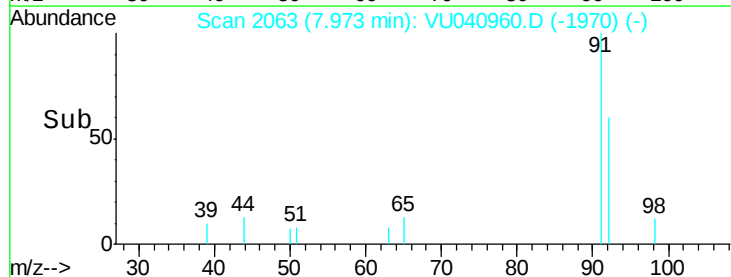
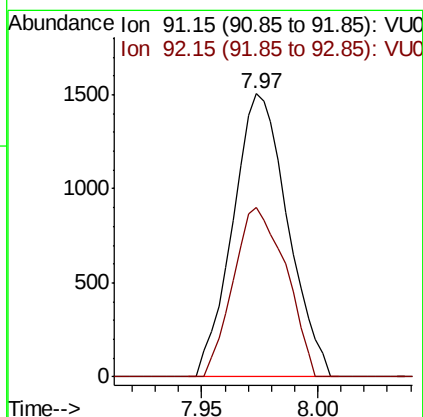
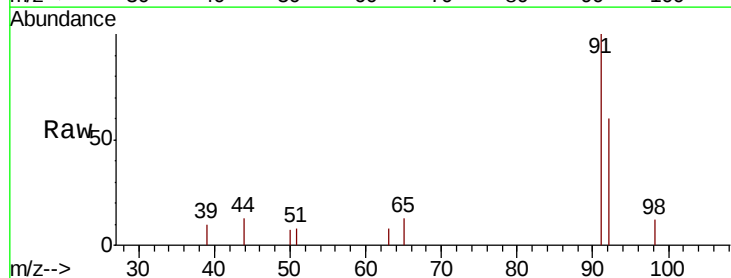
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AP4

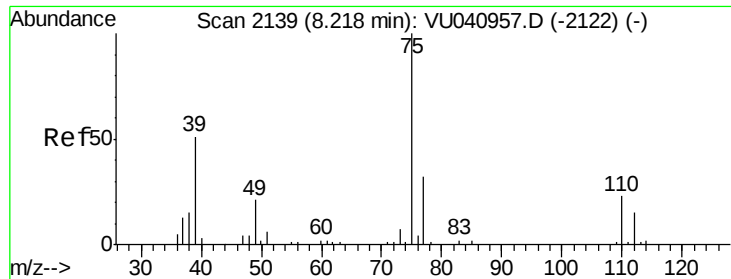
Tot Ion: 75 Resp: 851
 Ion Ratio Lower Upper
 75 100
 77 49.5 22.7 42.3#



#42
 Toluene
 Concen: 0.123 ug/L
 RT: 7.97 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VU040960.D
 Acq: 26 Oct 2020 22:48

Tgt Ion: 91 Resp: 2471
 Ion Ratio Lower Upper
 91 100
 92 60.0 40.6 75.4





#44

trans-1,3-Dichloropropene

Concen: 0.089 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU040960.D

Acq: 26 Oct 2020 22:48

Instrument :

MSVOA_U

ClientSampleId :

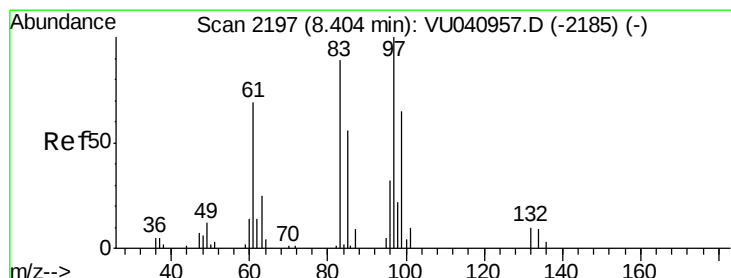
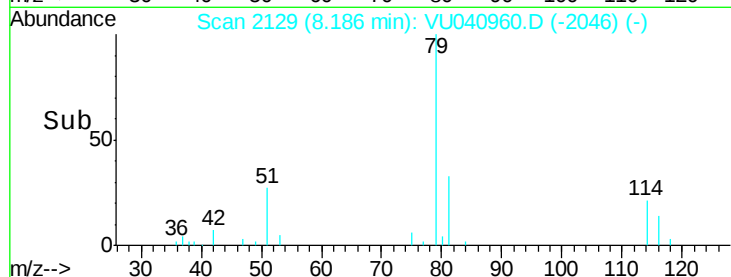
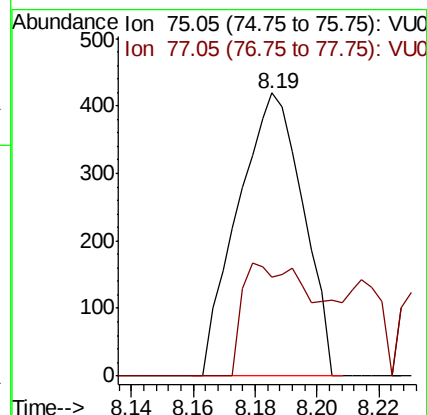
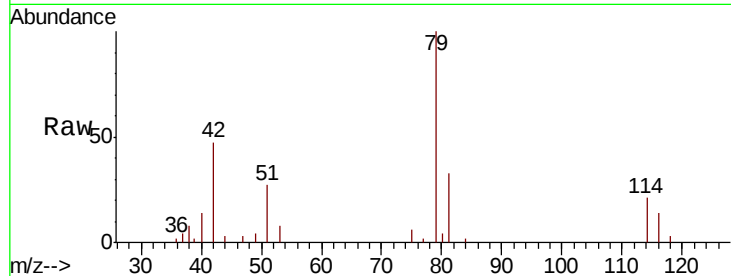
C0AP4

Tot Ion: 75 Resp: 614

Ion Ratio Lower Upper

75 100

77 35.1 23.3 43.3



#45

1,1,2-Trichloroethane

Concen: 4.223 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. 0.16 min

Lab File: VU040960.D

Acq: 26 Oct 2020 22:48

Tgt Ion: 97 Resp: 16800

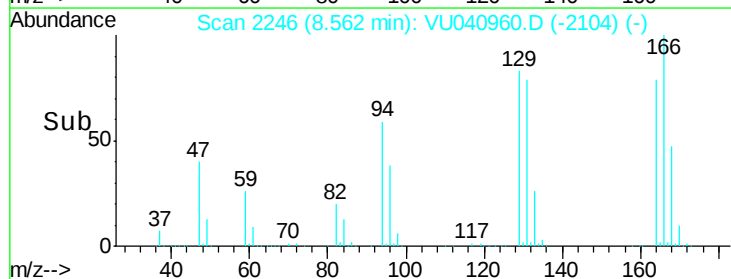
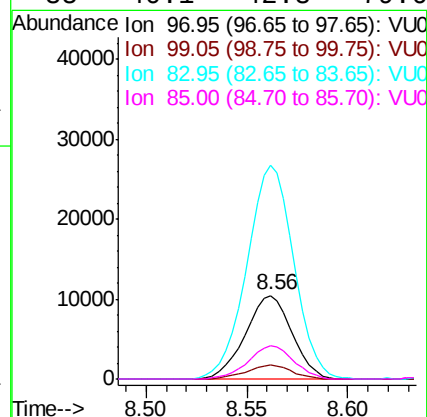
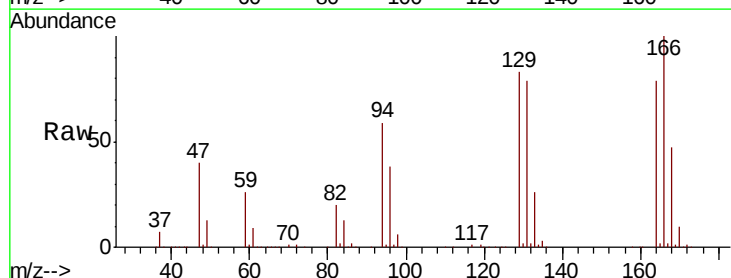
Ion Ratio Lower Upper

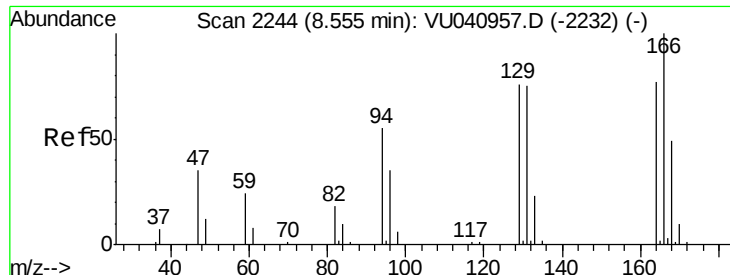
97 100

99 16.4 45.8 85.2#

83 256.0 67.9 126.1#

85 40.1 42.8 79.6#





#47

Tetrachloroethene

Concen: 421.045 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. 0.01 min

Lab File: VU040960.D

Acq: 26 Oct 2020 22:48

Instrument :

MSVOA_U

ClientSampleId :

C0AP4

Tot Ion:164 Resp: 1555993

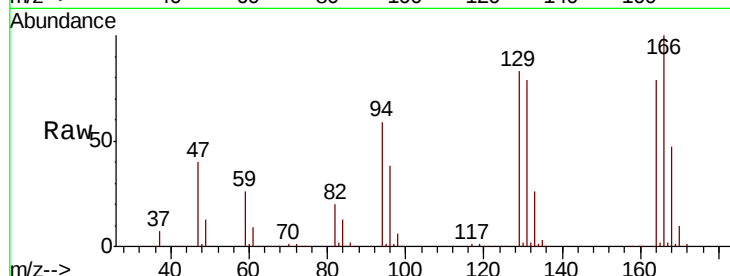
Ion Ratio Lower Upper

164 100

129 105.3 70.3 130.7

131 101.2 70.8 131.4

166 127.4 92.0 170.8

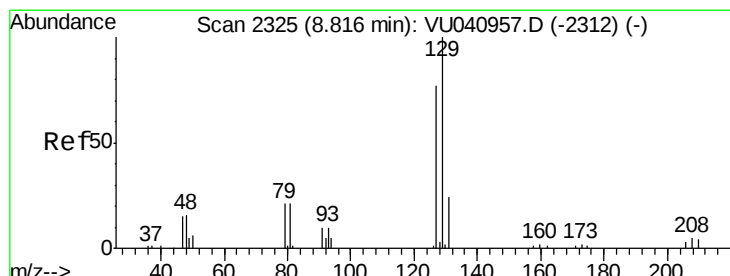
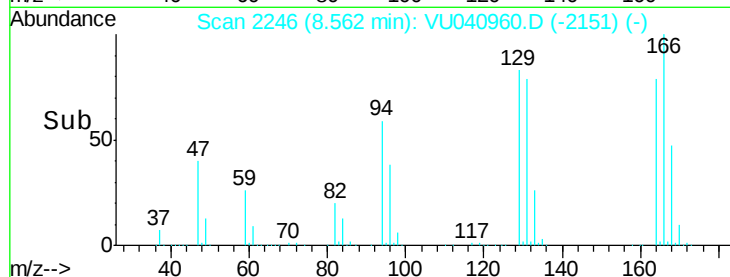
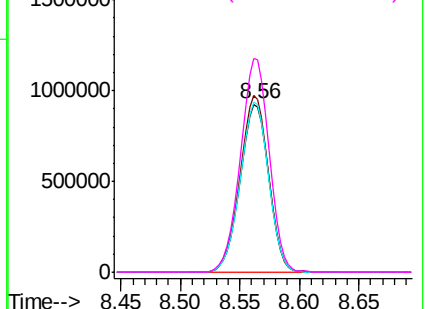


Abundance Ion 163.90 (163.60 to 164.60): V

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



#49

Dibromochloromethane

Concen: 346.335 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. -0.25 min

Lab File: VU040960.D

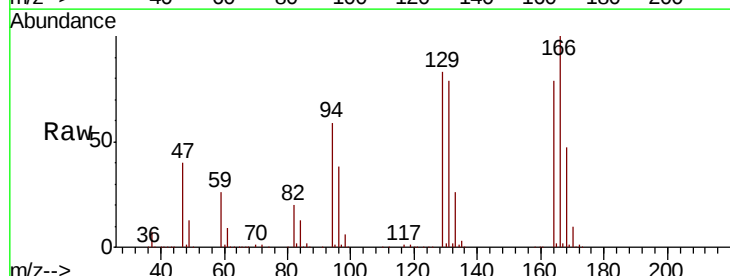
Acq: 26 Oct 2020 22:48

Tgt Ion:129 Resp: 1599930

Ion Ratio Lower Upper

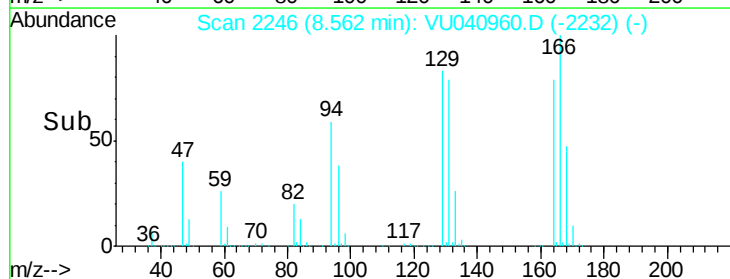
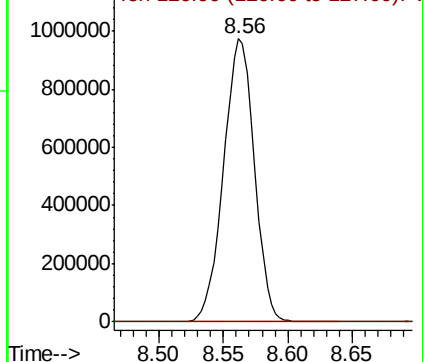
129 100

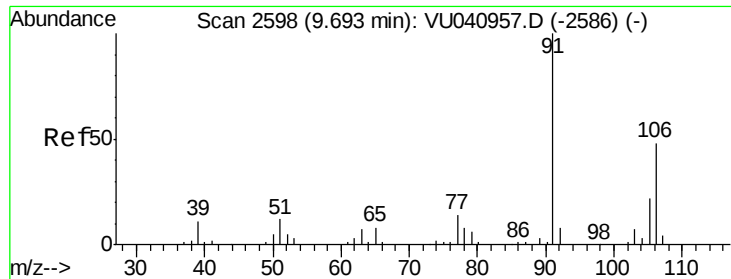
127 0.0 53.4 99.2#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V





#53

m,p-Xylene

Concen: 0.071 ug/L

RT: 9.69 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VU040960.D

Acq: 26 Oct 2020 22:48

Instrument :

MSVOA_U

ClientSampleId :

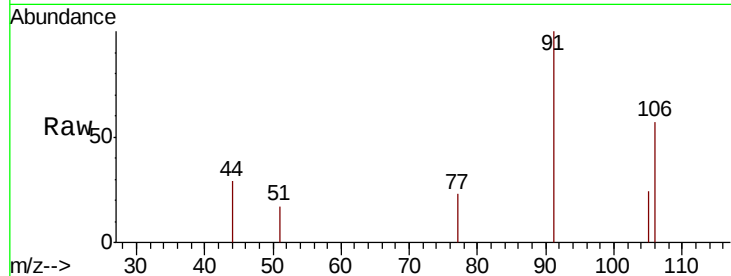
C0AP4

Tot Ion:106 Resp: 543

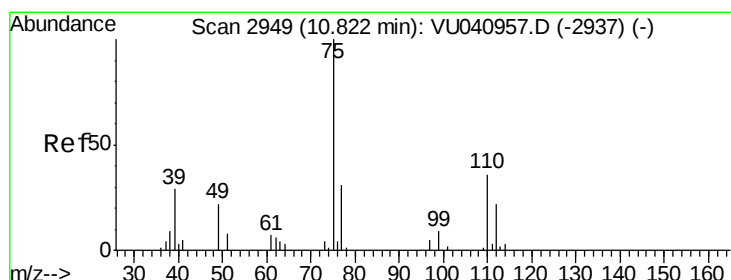
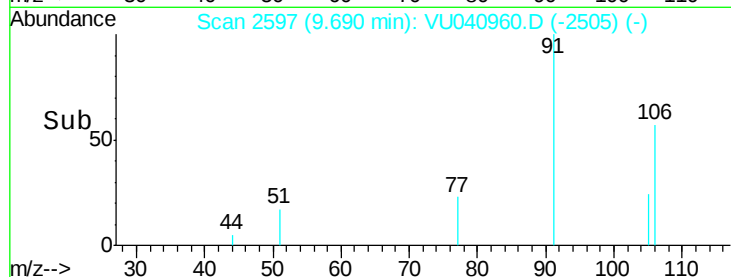
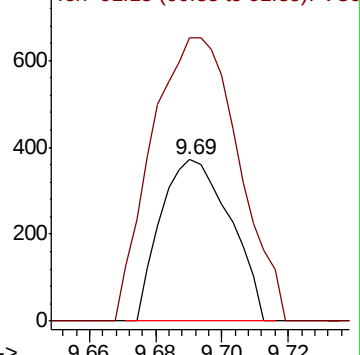
Ion Ratio Lower Upper

106 100

91 175.3 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): VU040960.D (-2595) (-)



#59

1,2,3-Trichloropropane

Concen: 1.002 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040960.D

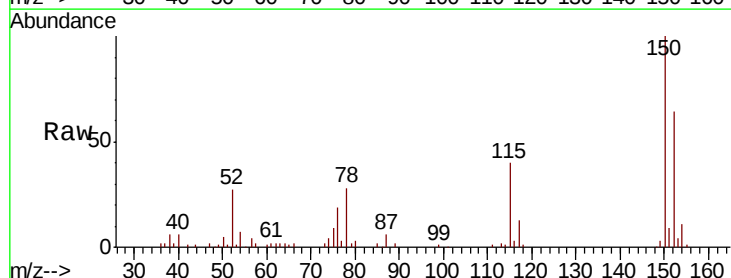
Acq: 26 Oct 2020 22:48

Tgt Ion: 75 Resp: 3990

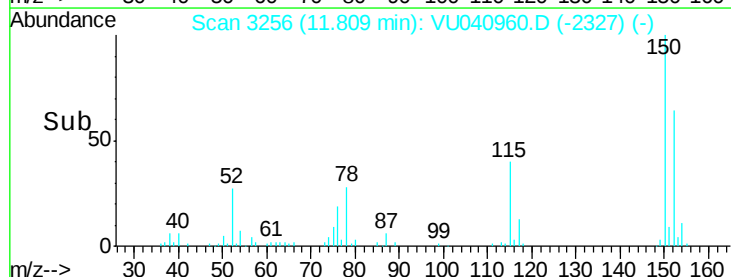
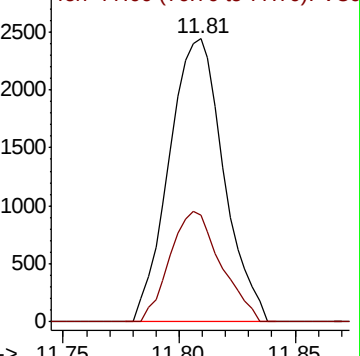
Ion Ratio Lower Upper

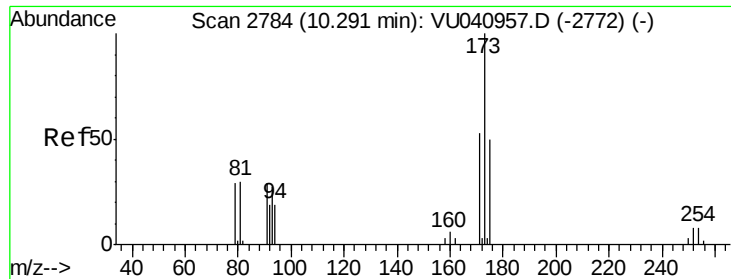
75 100

77 36.4 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU040960.D (-3227) (-)

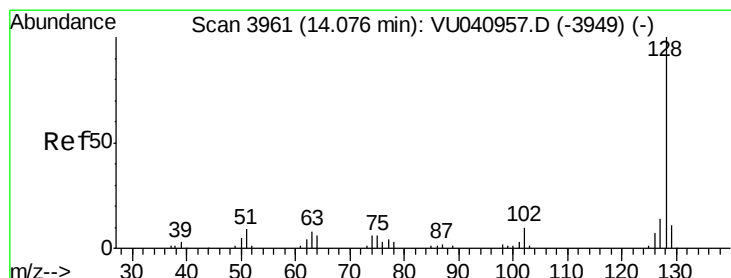
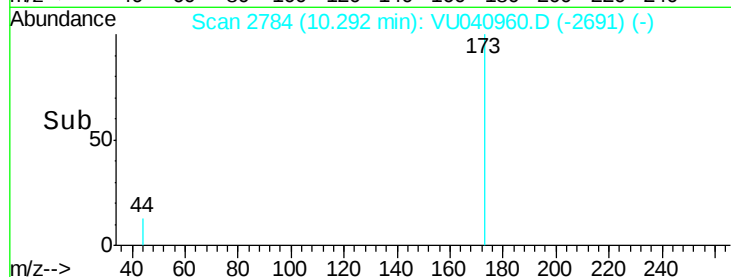
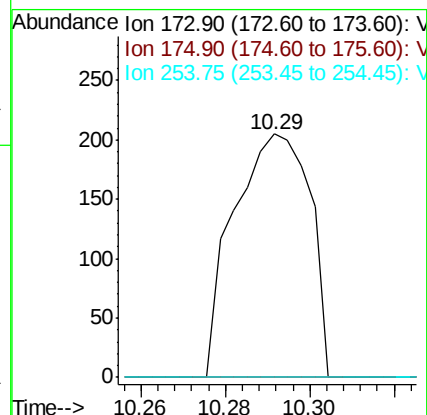
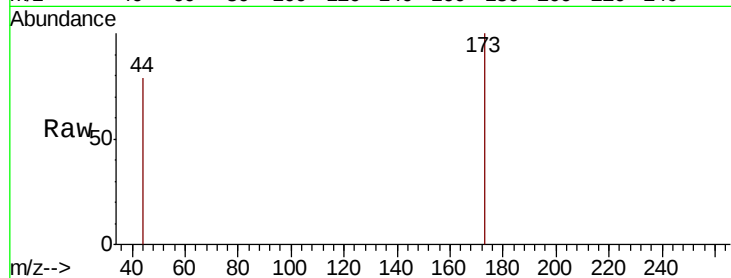




#61
Bromoform
Concen: 0.124 ug/L
RT: 10.29 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VU040960.D
Acq: 26 Oct 2020 22:48

Instrument :
MSVOA_U
ClientSampleId :
C0AP4

Tot Ion:173 Resp: 257
Ion Ratio Lower Upper
173 100
175 0.0 37.6 56.4#
254 0.0 6.6 9.8#



#69
Naphthalene
Concen: 0.059 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. 0.00 min
Lab File: VU040960.D
Acq: 26 Oct 2020 22:48

Tgt Ion:128 Resp: 476
Ion Ratio Lower Upper
128 100
129 0.0 8.7 13.1#
127 0.0 10.8 16.2#

