

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102720\
 Data File : VU040982.D
 Acq On : 27 Oct 2020 14:45
 Operator : SY/MD
 Sample : L4493-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AP9

Quant Time: Oct 28 02:25:51 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	55430	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	59515	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	22880	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	23242	4.99	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.80%
7) Chloroethane-d5	1.92	69	19285	5.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.80%
11) 1,1-Dichloroethene-d2	2.58	63	34243	3.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.00%
20) 2-Butanone-d5	4.66	46	80960	52.79	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.58%
24) Chloroform-d	5.08	84	43786	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.40%
26) 1,2-Dichloroethane-d4	5.72	65	26661	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.40%
32) Benzene-d6	5.74	84	76115	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	6.70	67	26161	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.00%
41) Toluene-d8	7.90	98	60488	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.80%
43) trans-1,3-Dichloropropene-	8.18	79	10049	4.47	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.40%
46) 2-Hexanone-d5	8.64	63	60090	49.68	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.36%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	22871	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	22855	5.69	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.80%

Target Compounds

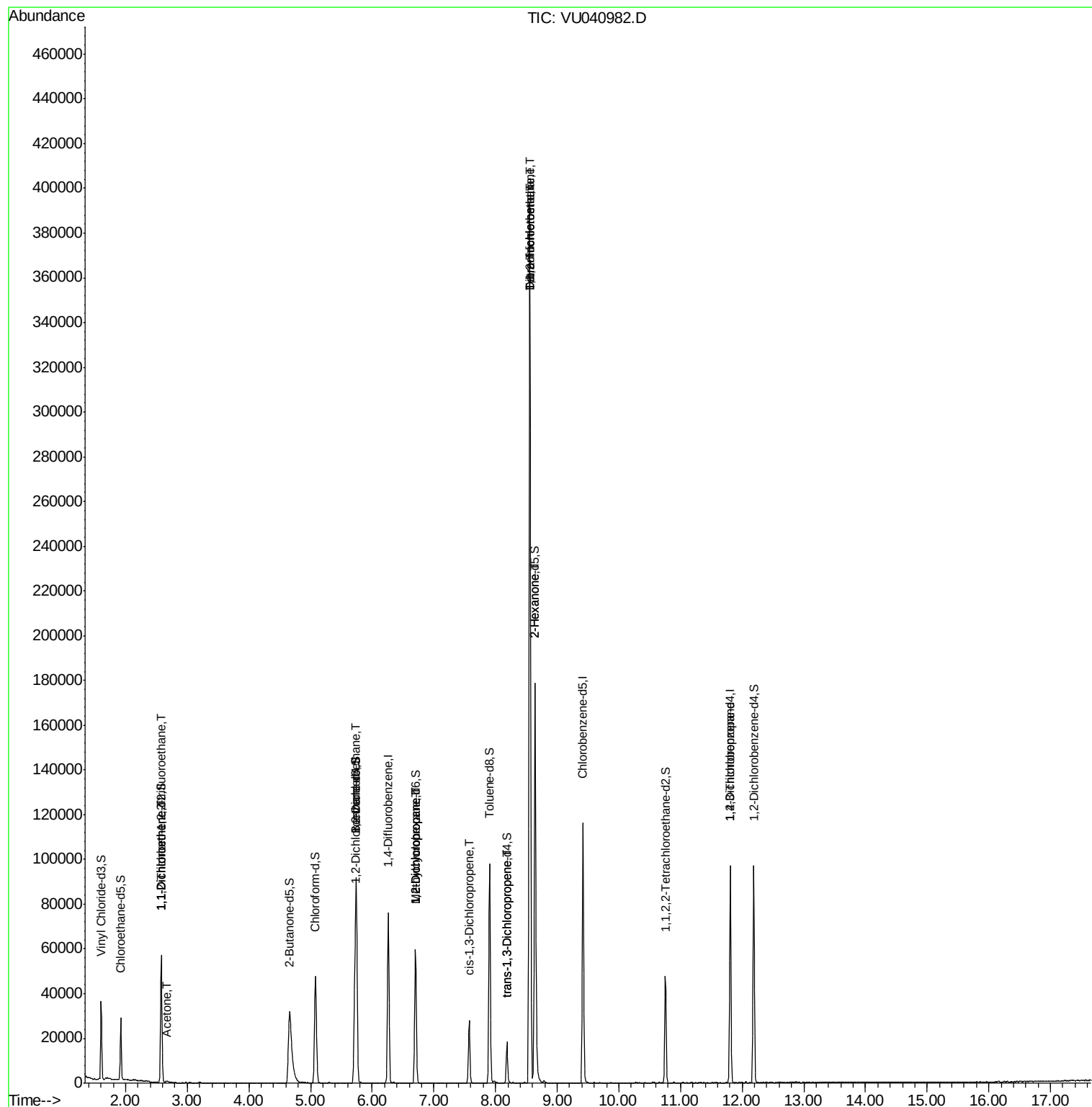
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	232	0.056	ug/L #	22
12) 1,1-Dichloroethene	2.58	96	215	0.055	ug/L #	1
13) Acetone	2.67	43	937	0.894	ug/L	96
27) 1,2-Dichloroethane	5.74	62	406	0.068	ug/L #	74
35) Methylcyclohexane	6.70	83	6082	0.901	ug/L #	13
37) 1,2-Dichloropropane	6.70	63	3018	0.627	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	725	0.109	ug/L #	76
44) trans-1,3-Dichloropropene	8.18	75	463	0.075	ug/L	92
45) 1,1,2-Trichloroethane	8.55	97	771	0.215	ug/L #	1
47) Tetrachloroethene	8.56	164	78749	23.664	ug/L	98
48) 2-Hexanone	8.64	43	8985	3.110	ug/L #	70
49) Dibromochloromethane	8.56	129	78497	18.870	ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	3309	0.923	ug/L	90

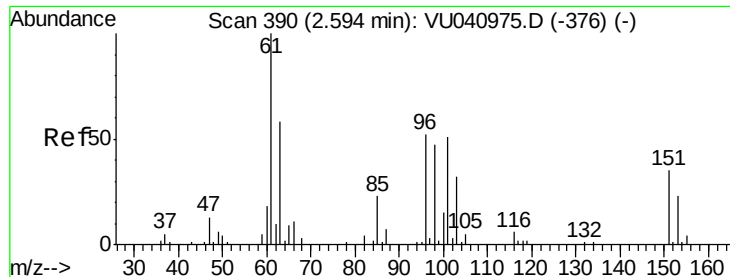
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.056 ug/L

RT: 2.57 min Scan# 384

Delta R.T. -0.02 min

Lab File: VU040982.D

Acq: 27 Oct 2020 14:45

Instrument :

MSVOA_U

ClientSampled :

C0AP9

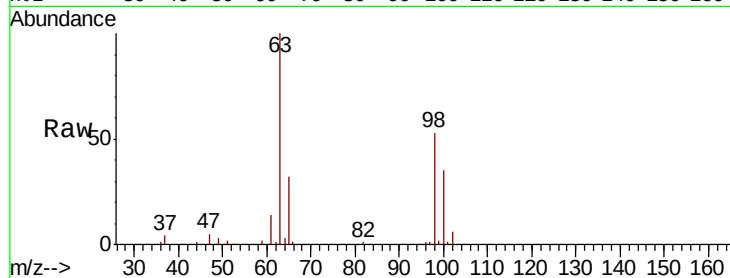
Tot Ion:101 Resp: 232

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

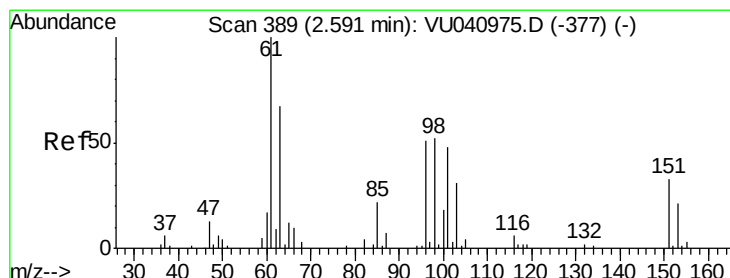
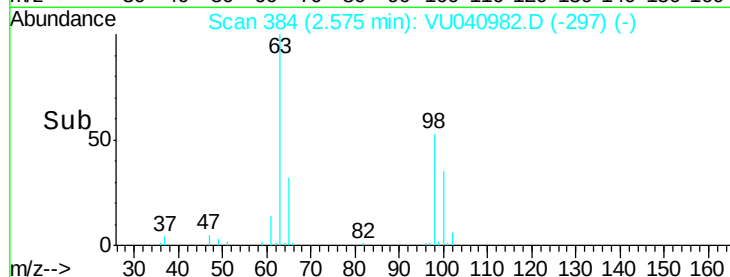
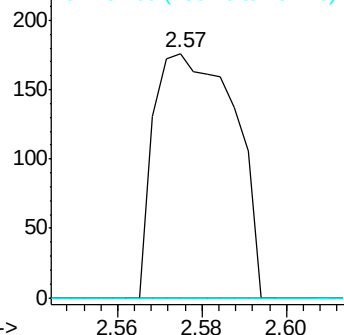
151 0.0 55.3 82.9#



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



#12

1,1-Dichloroethene

Concen: 0.055 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU040982.D

Acq: 27 Oct 2020 14:45

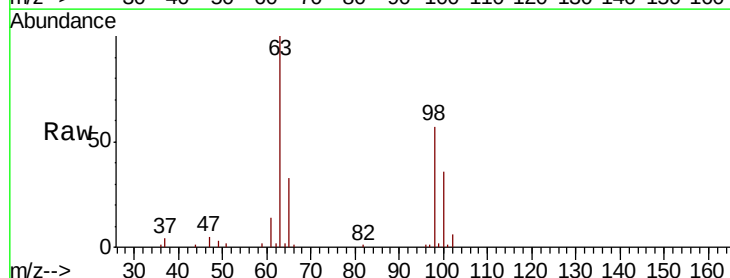
Tgt Ion: 96 Resp: 215

Ion Ratio Lower Upper

96 100

61 1339.6 134.3 249.5#

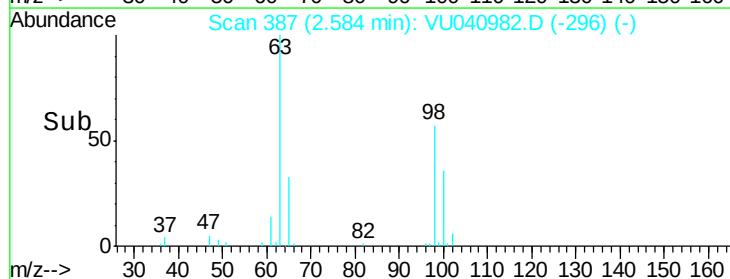
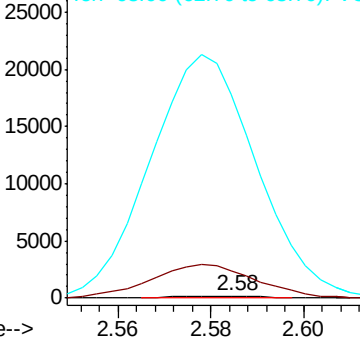
63 9797.8 95.0 176.4#

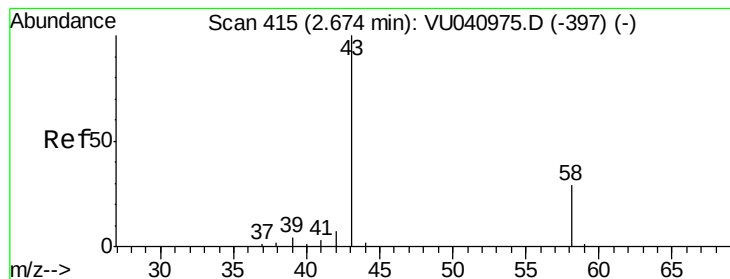


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.894 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.00 min

Lab File: VU040982.D

Acq: 27 Oct 2020 14:45

Instrument :

MSVOA_U

ClientSampled :

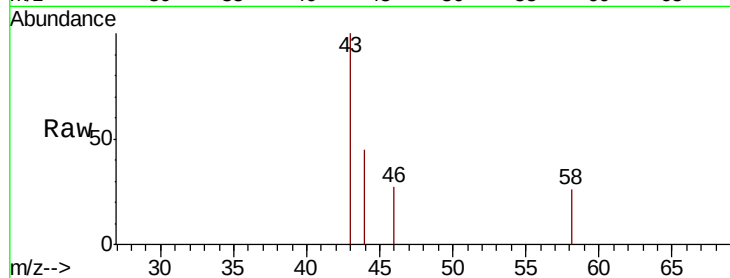
C0AP9

Tot Ion: 43 Resp: 937

Ion Ratio Lower Upper

43 100

58 14.4 0.0 25.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.67

400

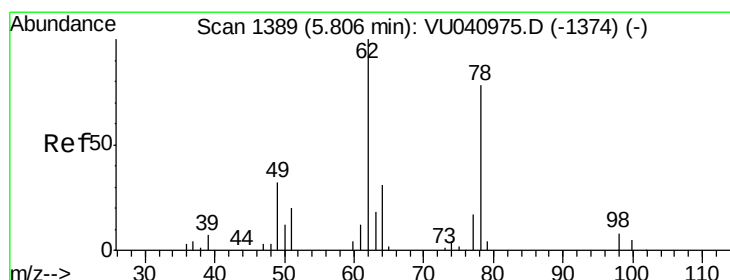
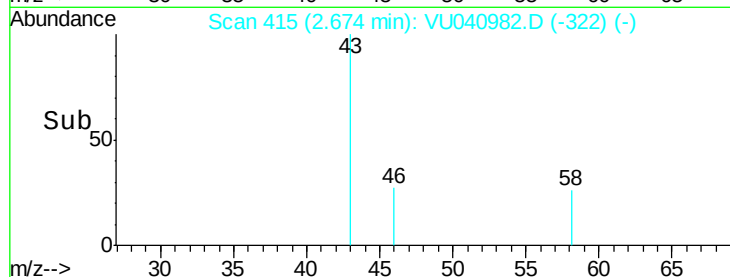
300

200

100

0

Time-->



#27

1,2-Dichloroethane

Concen: 0.068 ug/L

RT: 5.74 min Scan# 1369

Delta R.T. -0.06 min

Lab File: VU040982.D

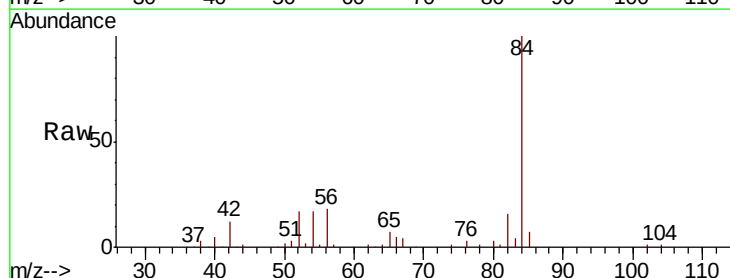
Acq: 27 Oct 2020 14:45

Tgt Ion: 62 Resp: 406

Ion Ratio Lower Upper

62 100

98 0.0 7.6 11.4#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0

5.74

250

200

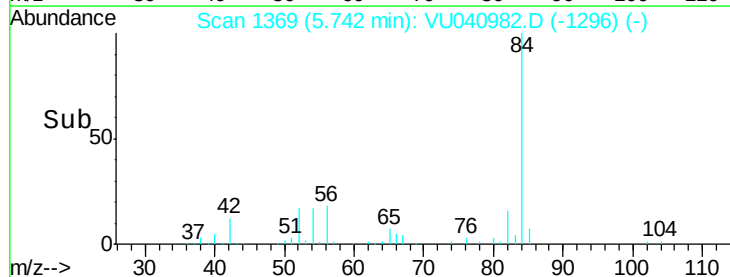
150

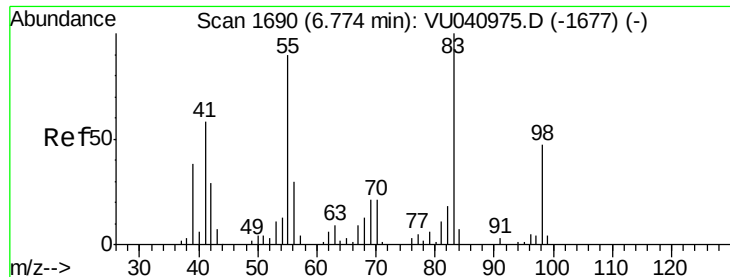
100

50

0

Time-->

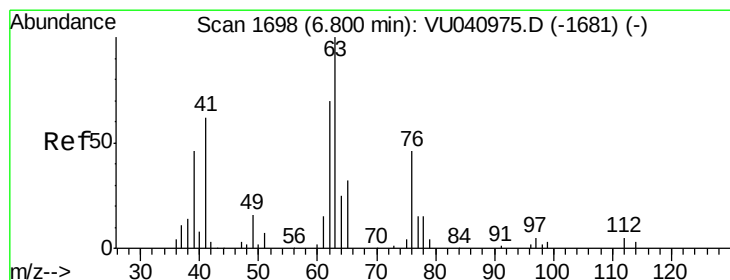
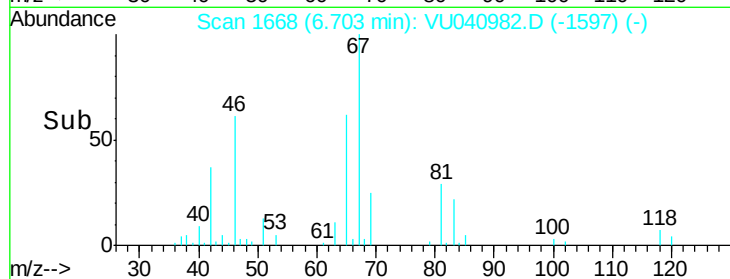
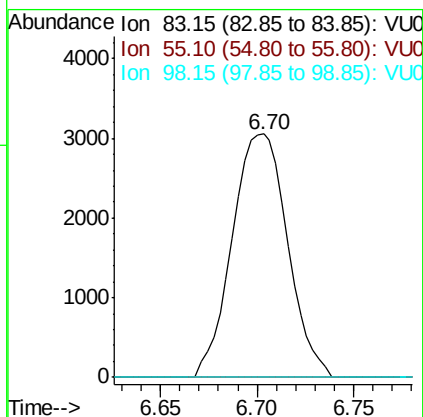
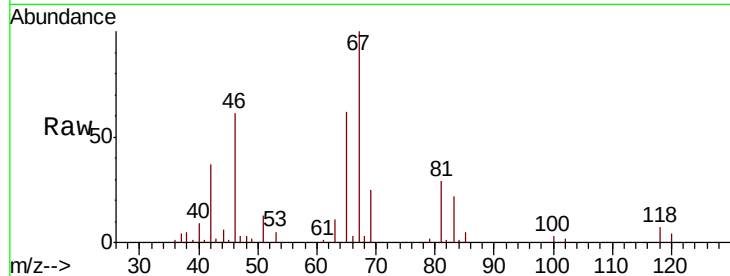




#35
Methylvlcyclohexane
Concen: 0.901 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040982.D
Acq: 27 Oct 2020 14:45

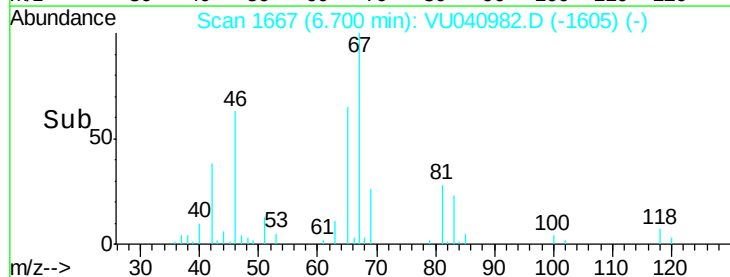
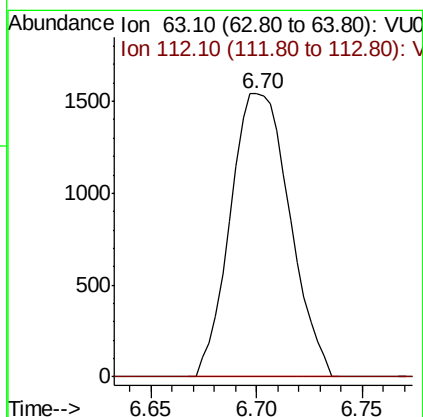
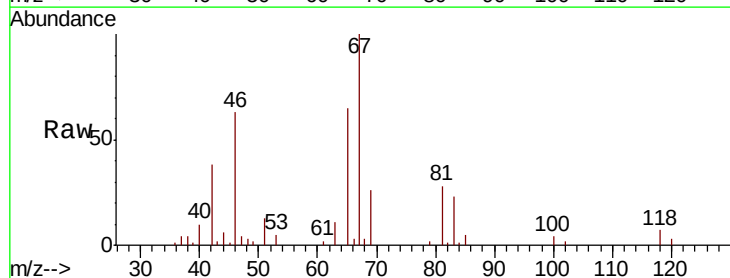
Instrument :
MSVOA_U
ClientSampleId :
C0AP9

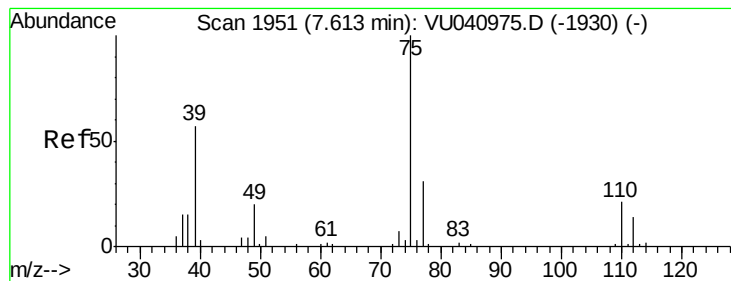
Tot Ion: 83 Resp: 6082
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 0.0 36.6 55.0#



#37
1,2-Dichloropropane
Concen: 0.627 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU040982.D
Acq: 27 Oct 2020 14:45

Tgt Ion: 63 Resp: 3018
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



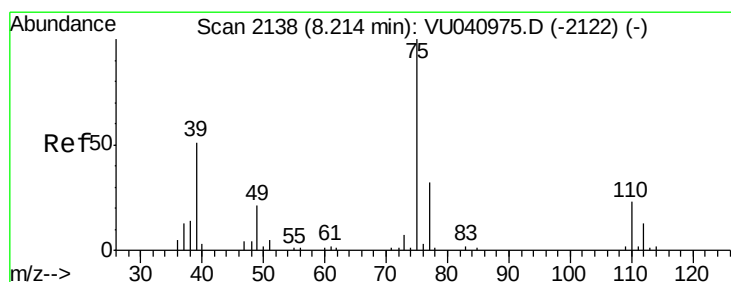
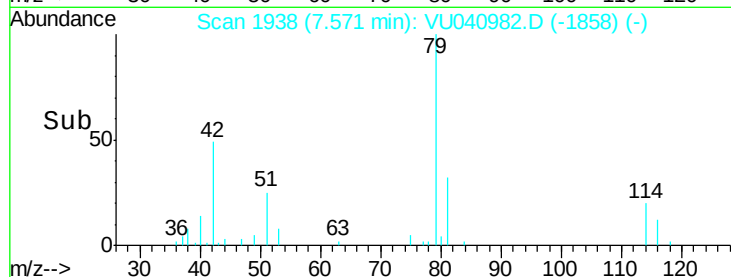
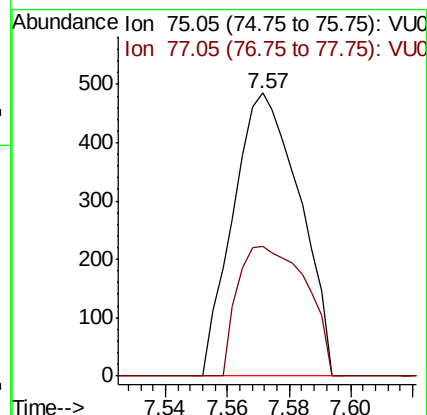
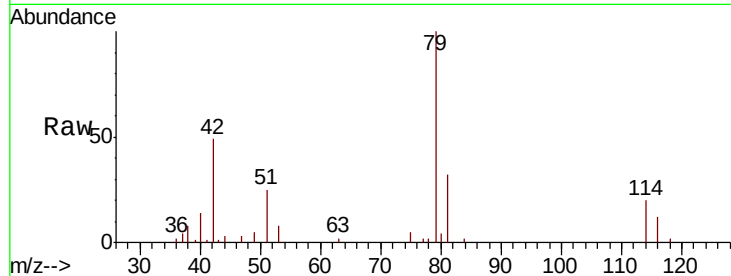


#39

cis-1,3-Dichloropropene
Concen: 0.109 ug/L
RT: 7.57 min Scan# 1938
Delta R.T. -0.04 min
Lab File: VU040982.D
Acq: 27 Oct 2020 14:45

Instrument :
MSVOA_U
ClientSampleId :
C0AP9

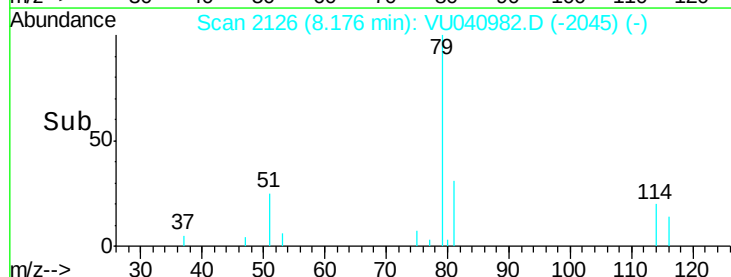
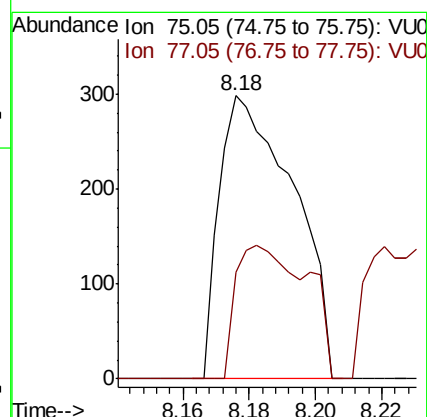
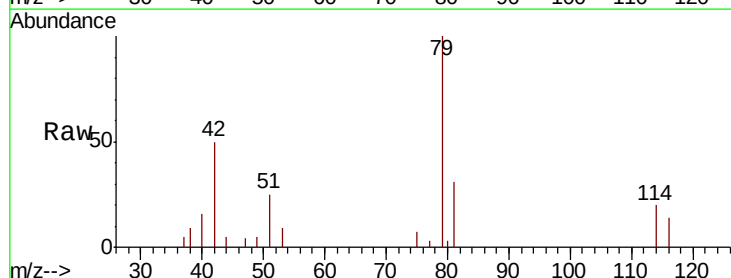
Tot Ion: 75 Resp: 725
Ion Ratio Lower Upper
75 100
77 45.8 22.7 42.3#

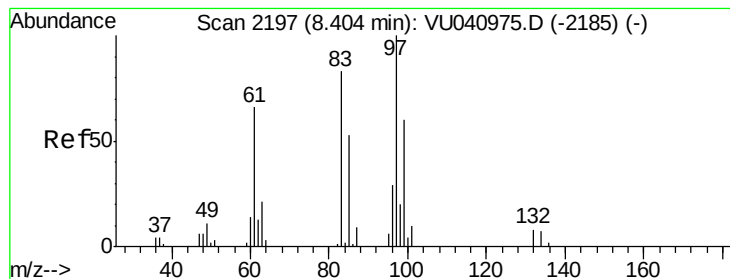


#44

trans-1,3-Dichloropropene
Concen: 0.075 ug/L
RT: 8.18 min Scan# 2126
Delta R.T. -0.04 min
Lab File: VU040982.D
Acq: 27 Oct 2020 14:45

Tgt Ion: 75 Resp: 463
Ion Ratio Lower Upper
75 100
77 37.9 23.3 43.3





#45

1,1,2-Trichloroethane

Concen: 0.215 ug/L

RT: 8.55 min Scan# 2243

Delta R.T. 0.15 min

Lab File: VU040982.D

Acq: 27 Oct 2020 14:45

Instrument :

MSVOA_U

ClientSampleId :

C0AP9

Tot Ion: 97 Resp: 771

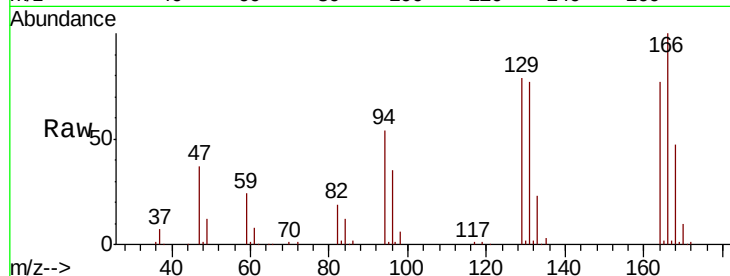
Ion Ratio Lower Upper

97 100

99 0.0 45.8 85.2#

83 251.0 67.9 126.1#

85 35.2 42.8 79.6#



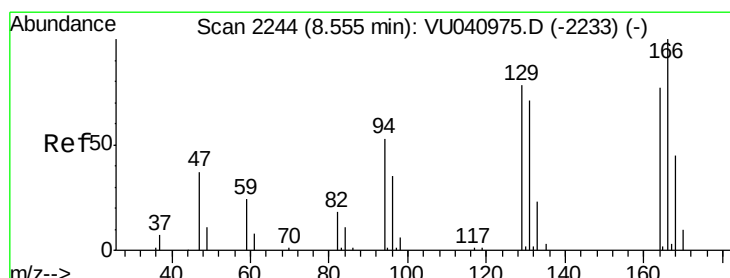
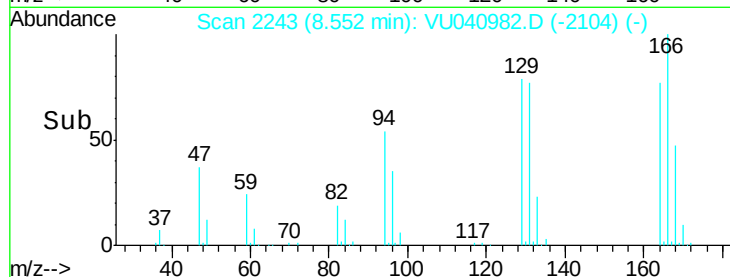
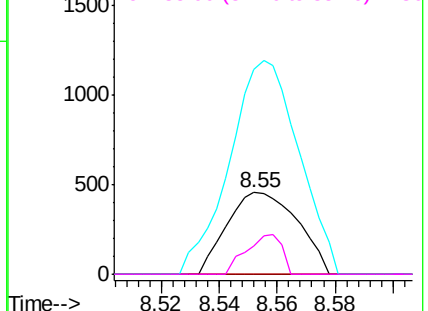
Abundance

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: 23.664 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU040982.D

Acq: 27 Oct 2020 14:45

Tgt Ion: 164 Resp: 78749

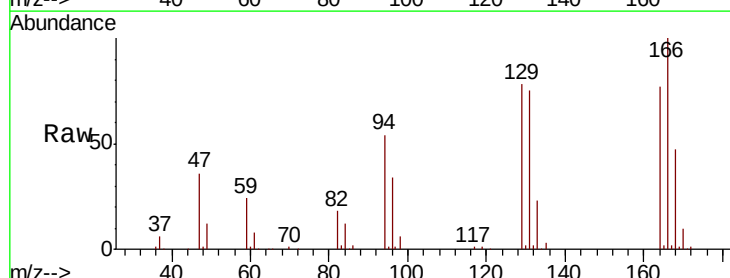
Ion Ratio Lower Upper

164 100

129 101.0 70.3 130.7

131 97.6 70.8 131.4

166 129.9 92.0 170.8



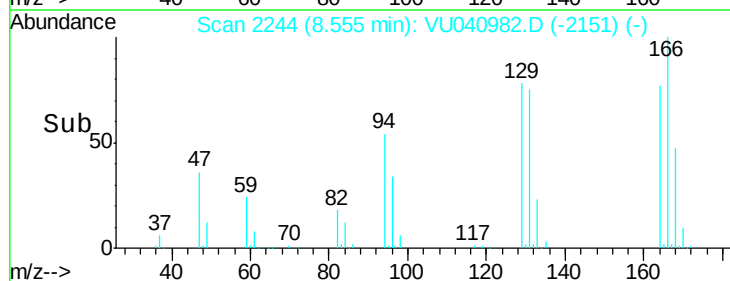
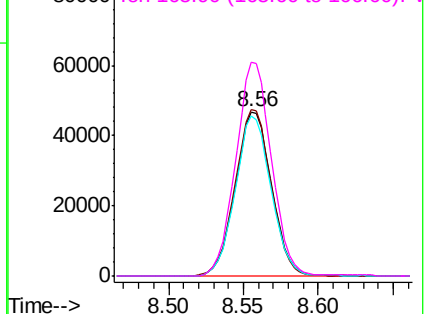
Abundance

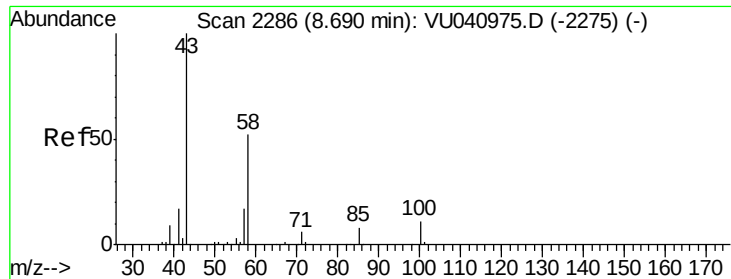
Ion 163.90 (163.60 to 164.60): V

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

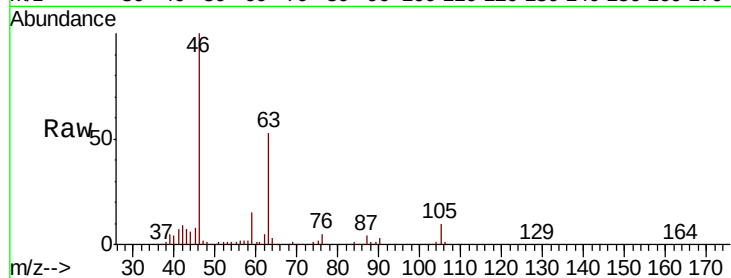




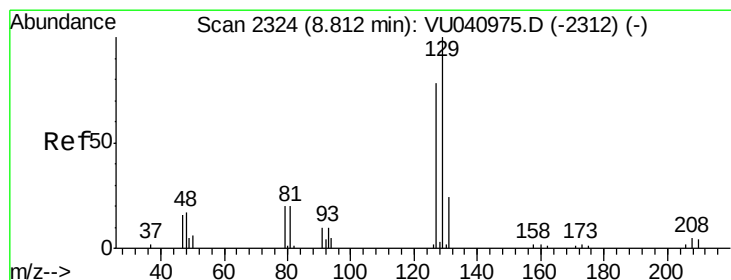
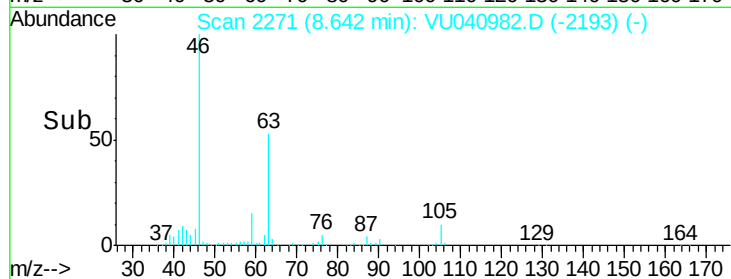
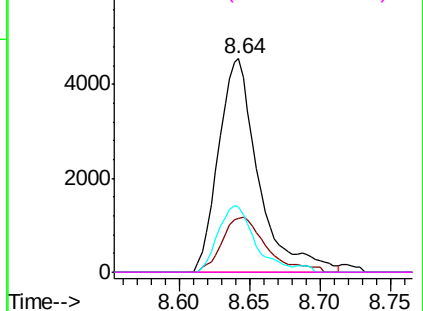
#48
2-Hexanone
Concen: 3.110 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU040982.D
Acq: 27 Oct 2020 14:45

Instrument :
MSVOA_U
ClientSampleId :
C0AP9

Tot Ion: 43 Resp: 8985
Ion Ratio Lower Upper
43 100
58 28.4 41.4 62.2#
57 28.6 14.6 21.8#
100 0.0 8.3 12.5#

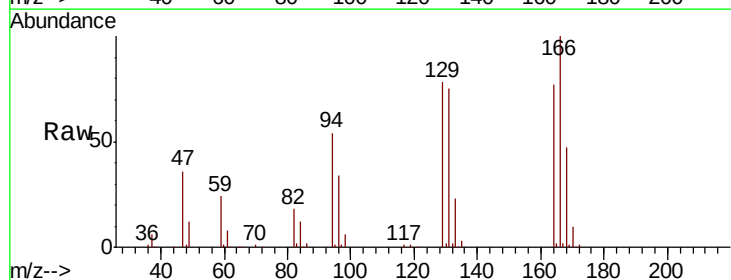


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

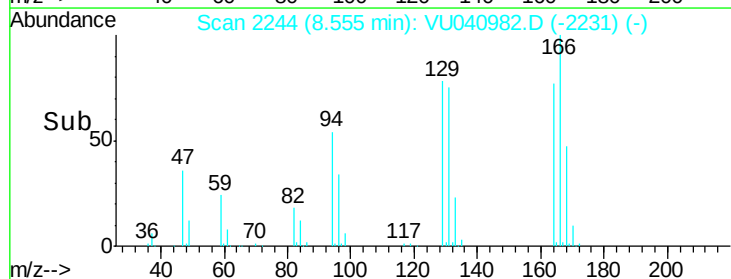
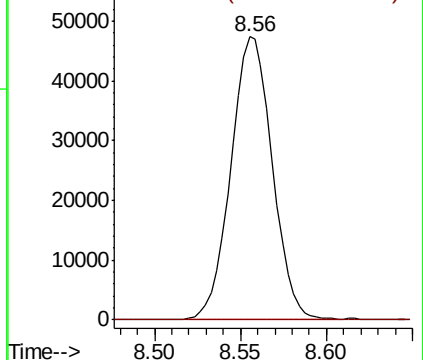


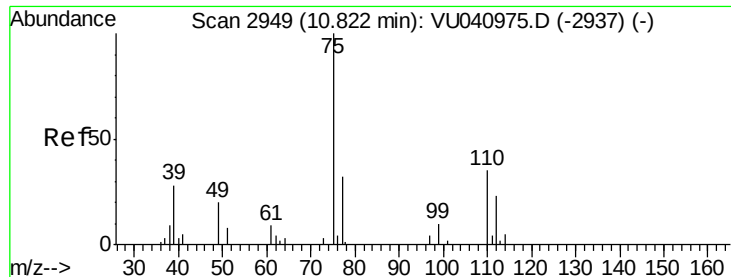
#49
Dibromochloromethane
Concen: 18.870 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.26 min
Lab File: VU040982.D
Acq: 27 Oct 2020 14:45

Tgt Ion: 129 Resp: 78497
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





#59

1,2,3-Trichloropropane

Concen: 0.923 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040982.D

Acq: 27 Oct 2020 14:45

Instrument :

MSVOA_U

ClientSampleId :

C0AP9

Tot Ion: 75 Resp: 3309

Ion Ratio Lower Upper

75 100

77 37.7 25.7 38.5

