

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101920\
 Data File : VU040821.D
 Acq On : 19 Oct 2020 22:18
 Operator : SY/MD
 Sample : L4420-06
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AH7

Quant Time: Oct 20 05:19:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 20 05:12:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	112289	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	117011	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	46962	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	28359	3.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	61.00%
7) Chloroethane-d5	1.92	69	29233	4.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.40%
11) 1,1-Dichloroethene-d2	2.58	63	46766	2.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	51.40%#
20) 2-Butanone-d5	4.66	46	176161	59.17	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.34%
24) Chloroform-d	5.08	84	81544	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
26) 1,2-Dichloroethane-d4	5.72	65	50936	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.40%
32) Benzene-d6	5.74	84	131996	4.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.60%
36) 1,2-Dichloropropane-d6	6.70	67	48983	4.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.60%
41) Toluene-d8	7.91	98	98969	3.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.00%
43) trans-1,3-Dichloropropene-	8.19	79	18754	4.23	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.60%
46) 2-Hexanone-d5	8.64	63	119139	52.09	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.18%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	48206	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	46024	5.29	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.80%

Target Compounds

					Ovalue
3) Chloromethane	1.48	50	11773	1.237 ug/L #	43
8) Chloroethane	2.00	64	1442	0.226 ug/L #	50
14) Carbon disulfide	2.81	76	2422	0.108 ug/L #	95
22) cis-1,2-Dichloroethene	4.68	96	1859	0.206 ug/L	90
25) Chloroform	5.11	83	1382	0.078 ug/L	98
31) Carbon tetrachloride	5.54	117	1520	0.113 ug/L #	74
33) Benzene	5.75	78	1171	0.031 ug/L	100
34) Trichloroethene	6.56	95	3798	0.390 ug/L	91
35) Methylcyclohexane	6.70	83	11680	0.845 ug/L #	14
37) 1,2-Dichloropropane	6.70	63	5623	0.537 ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1197	0.084 ug/L #	48
44) trans-1,3-Dichloropropene	8.19	75	1009	0.077 ug/L #	77
47) Tetrachloroethene	8.56	164	1892	0.272 ug/L	93
49) Dibromochloromethane	8.56	129	1845	0.204 ug/L #	9
59) 1,2,3-Trichloropropane	11.81	75	6112	0.794 ug/L	97

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 20 05:12:18 2020
Response via : Initial Calibration

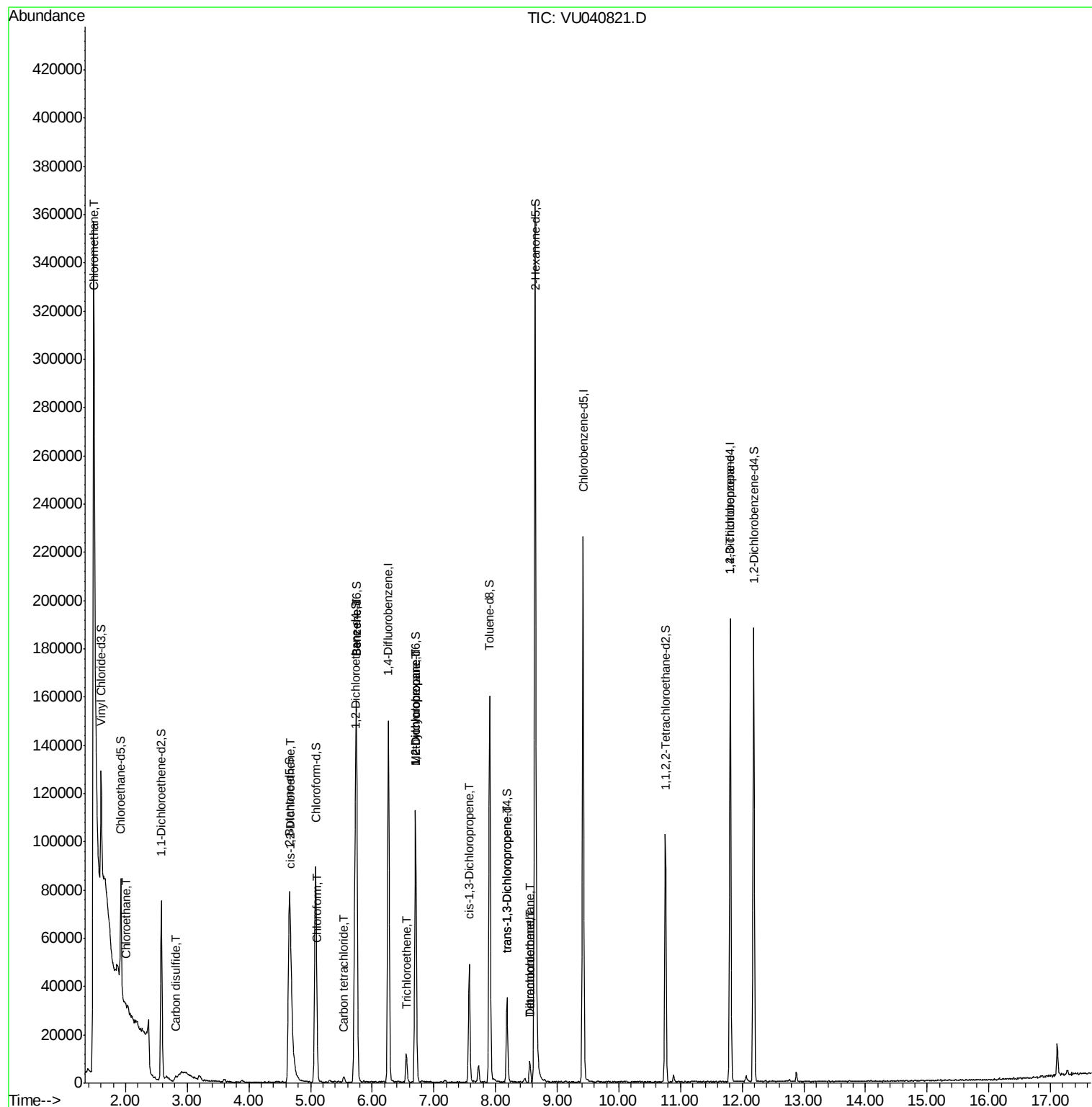
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

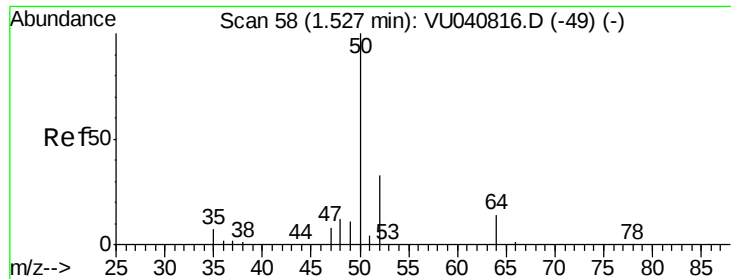
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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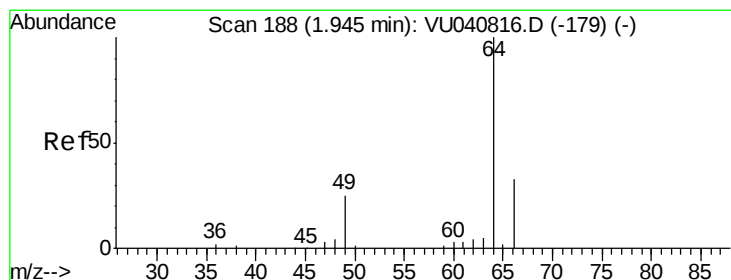
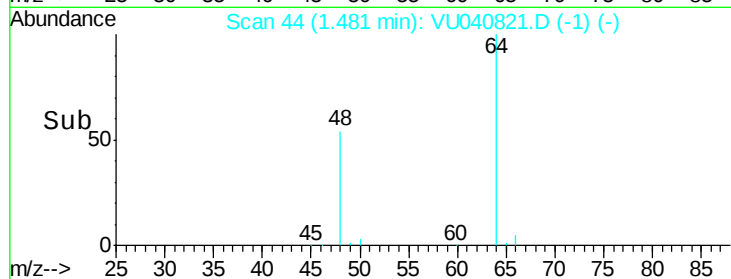
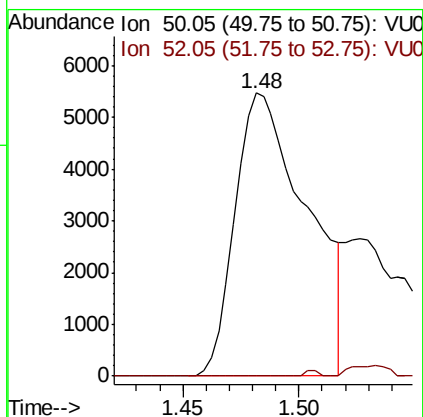
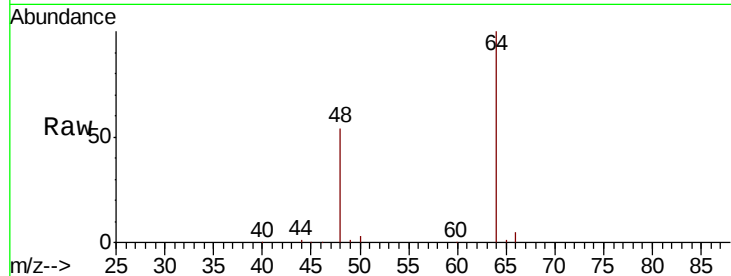




#3
Chloromethane
Concen: 1.237 ug/L
RT: 1.48 min Scan# 44
Delta R.T. -0.05 min
Lab File: VU040821.D
Acq: 19 Oct 2020 22:18

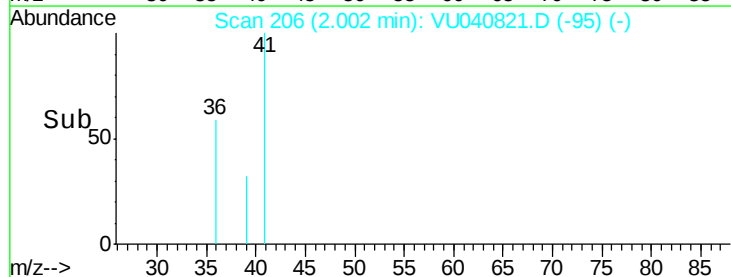
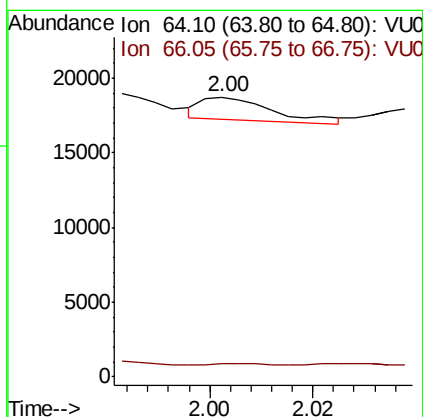
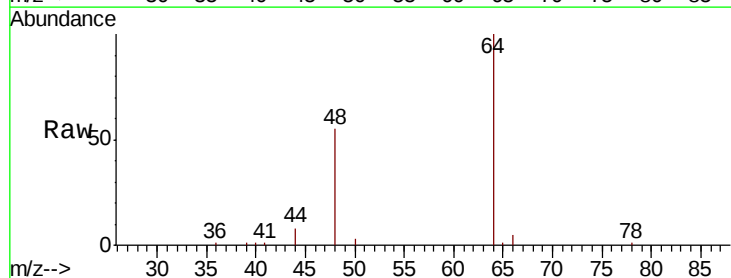
Instrument :
MSVOA_U
ClientSampleId :
C0AH7

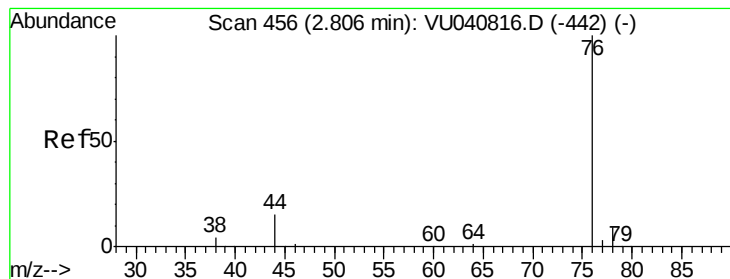
Tot Ion: 50 Resp: 11773
Ion Ratio Lower Upper
50 100
52 0.0 21.9 40.7#



#8
Chloroethane
Concen: 0.226 ug/L
RT: 2.00 min Scan# 206
Delta R.T. 0.06 min
Lab File: VU040821.D
Acq: 19 Oct 2020 22:18

Tgt Ion: 64 Resp: 1442
Ion Ratio Lower Upper
64 100
66 4.8 23.3 43.3#





#14

Carbon disulfide

Concen: 0.108 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU040821.D

Acq: 19 Oct 2020 22:18

Instrument :

MSVOA_U

ClientSampled :

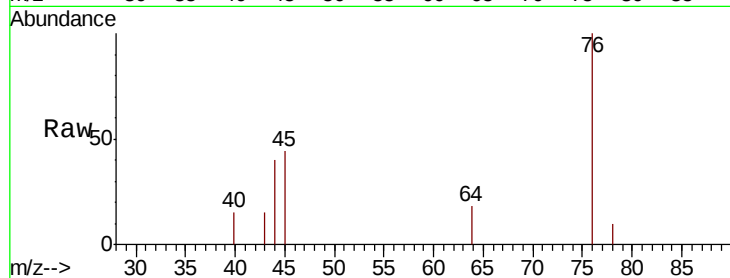
C0AH7

Tot Ion: 76 Resp: 2422

Ion Ratio Lower Upper

76 100

78 10.5 6.8 10.2#



Abundance Ion 76.05 (75.75 to 76.75): VU040821.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU040821.D (-363) (-)

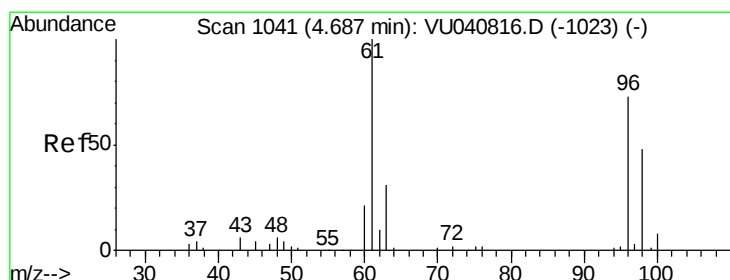
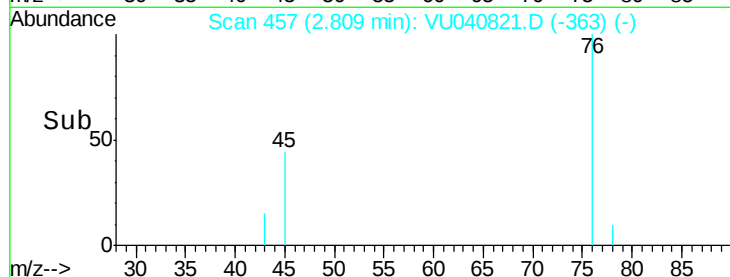
2.81

1000

500

0

Time--> 2.75 2.80 2.85



#22

cis-1,2-Dichloroethene

Concen: 0.206 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. -0.01 min

Lab File: VU040821.D

Acq: 19 Oct 2020 22:18

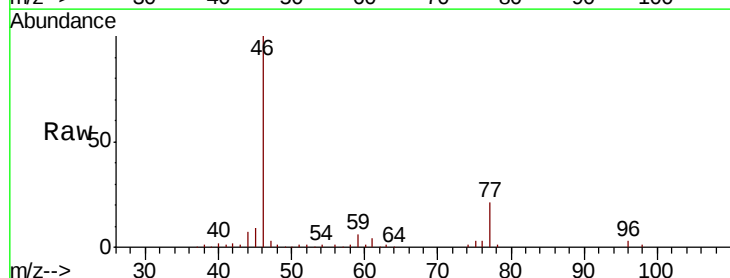
Tgt Ion: 96 Resp: 1859

Ion Ratio Lower Upper

96 100

61 129.7 99.8 185.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040821.D (-948) (-)

Ion 61.05 (60.75 to 61.75): VU040821.D (-948) (-)

Ion 68.15 (67.85 to 68.85): VU040821.D (-948) (-)

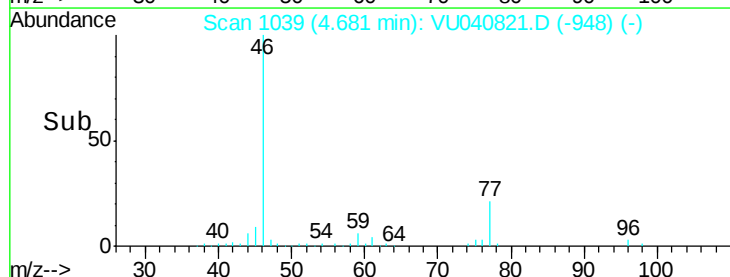
1500

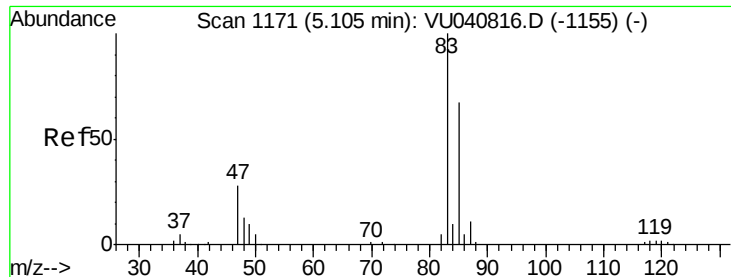
1000

500

0

Time--> 4.65 4.70 4.75

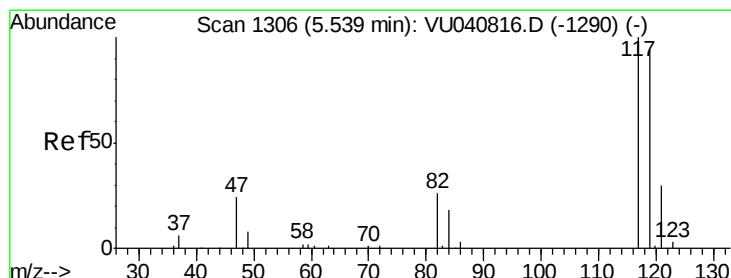
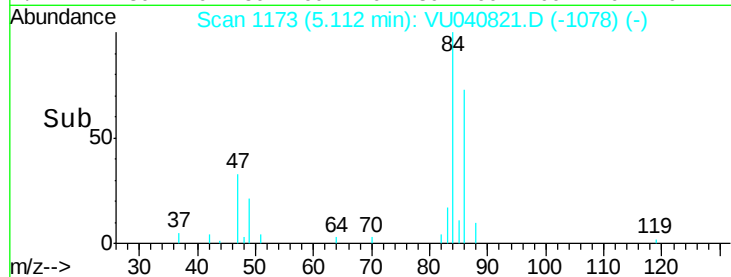
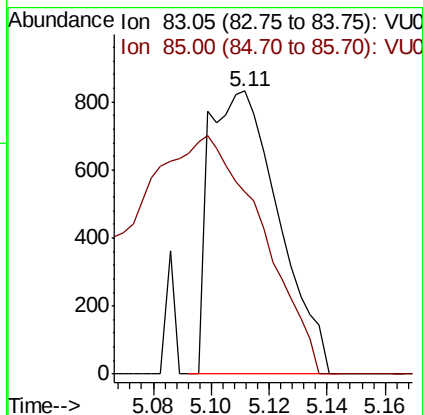
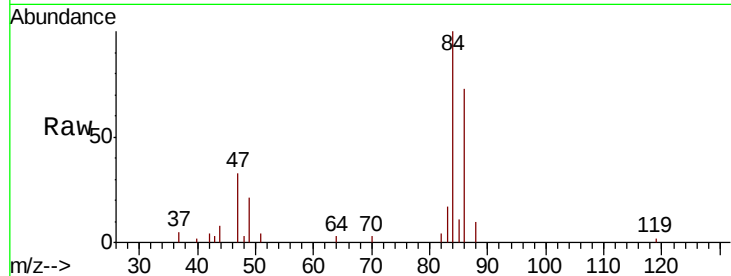




#25
Chloroform
Concen: 0.078 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.01 min
Lab File: VU040821.D
Acq: 19 Oct 2020 22:18

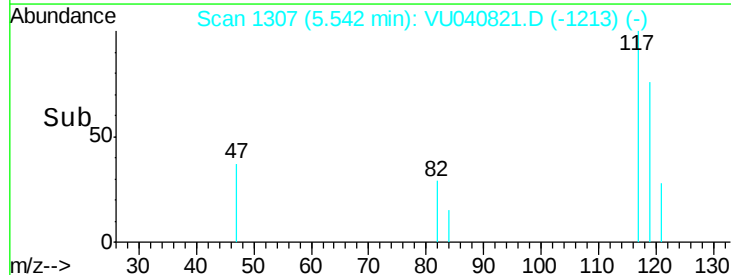
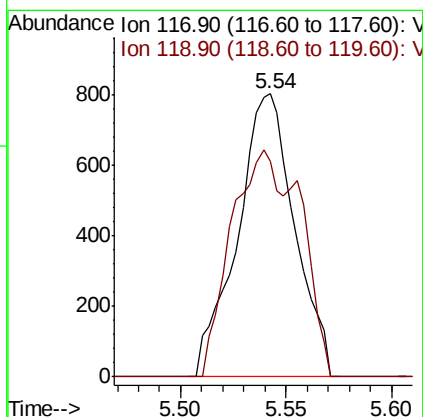
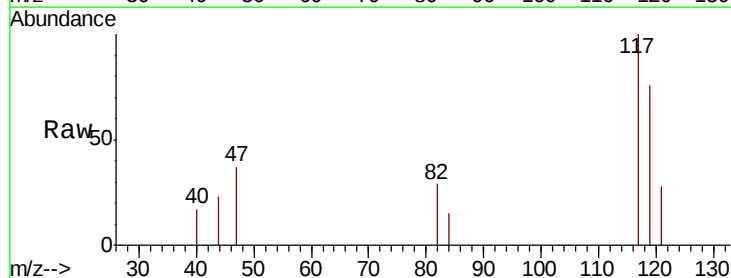
Instrument :
MSVOA_U
ClientSampleId :
C0AH7

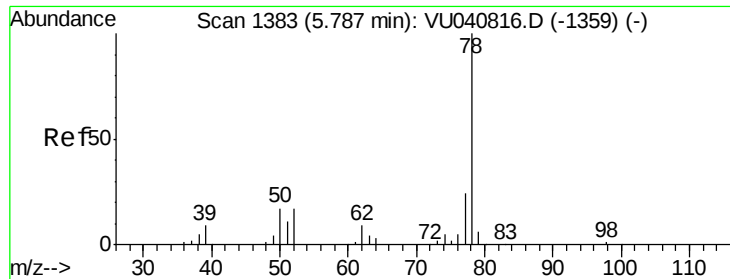
Tot Ion: 83 Resp: 1382
Ion Ratio Lower Upper
83 100
85 64.5 46.5 86.5



#31
Carbon tetrachloride
Concen: 0.113 ug/L
RT: 5.54 min Scan# 1307
Delta R.T. 0.00 min
Lab File: VU040821.D
Acq: 19 Oct 2020 22:18

Tgt Ion: 117 Resp: 1520
Ion Ratio Lower Upper
117 100
119 69.6 76.2 114.2#





#33

Benzene

Concen: 0.031 ug/L

RT: 5.75 min Scan# 1371

Delta R.T. -0.04 min

Lab File: VU040821.D

Acq: 19 Oct 2020 22:18

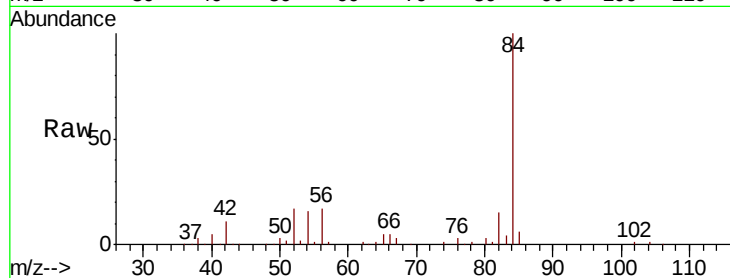
Instrument :

MSVOA_U

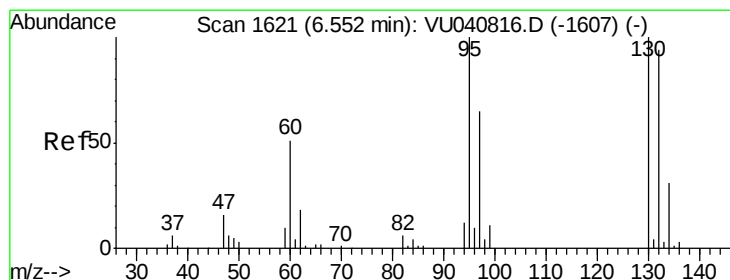
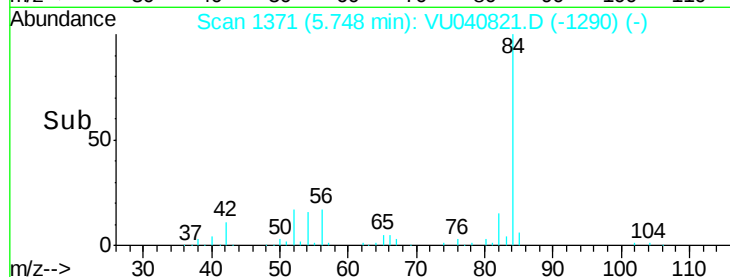
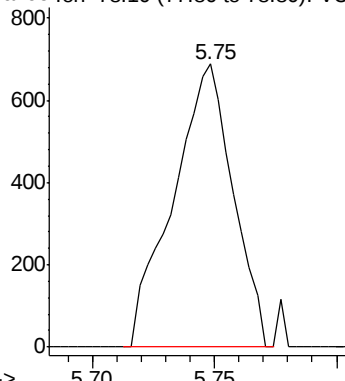
ClientSampleId :

C0AH7

Tgt Ion: 78 Resp: 1171



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.390 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040821.D

Acq: 19 Oct 2020 22:18

Tgt Ion: 95 Resp: 3798

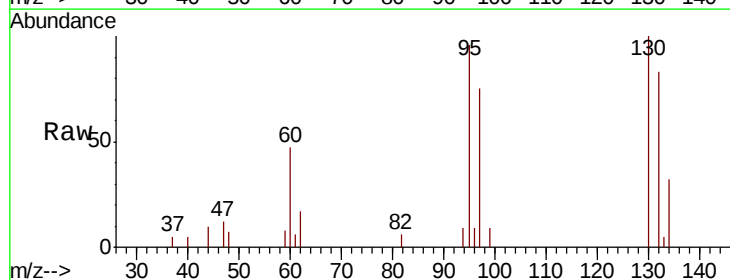
Ion Ratio Lower Upper

95 100

97 78.2 45.5 84.5

132 86.5 67.5 125.4

130 103.8 69.9 129.9

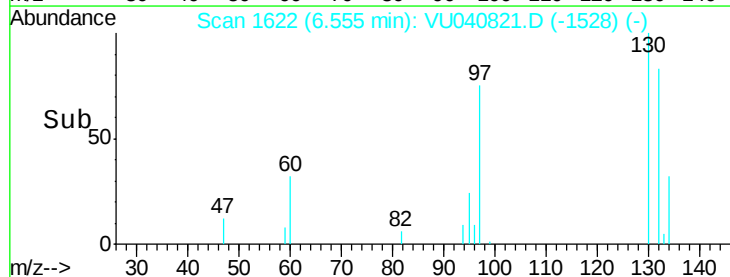
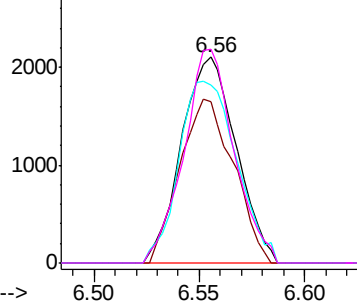


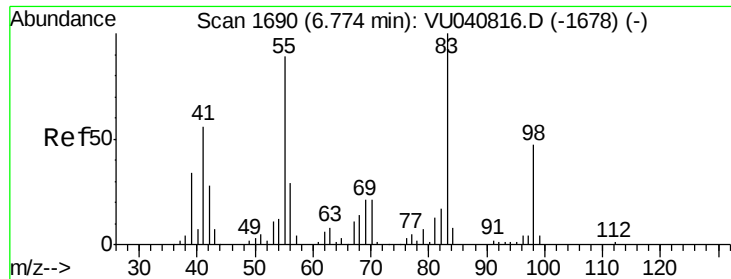
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

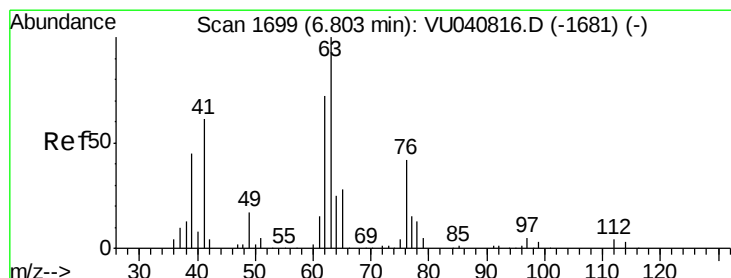
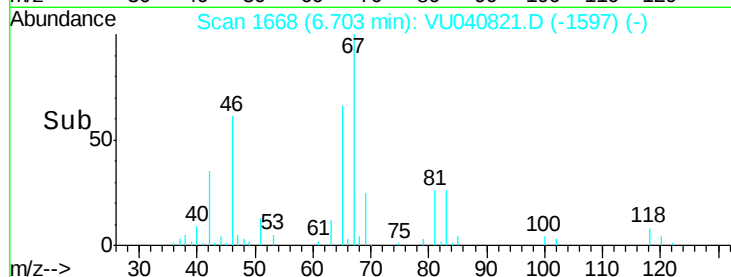
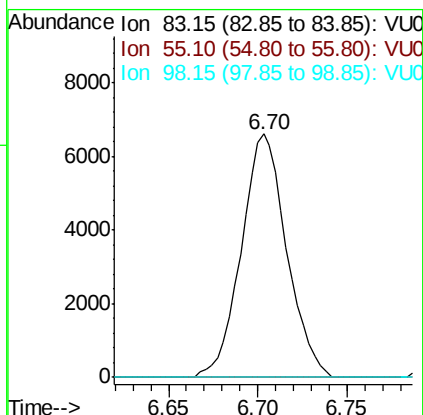
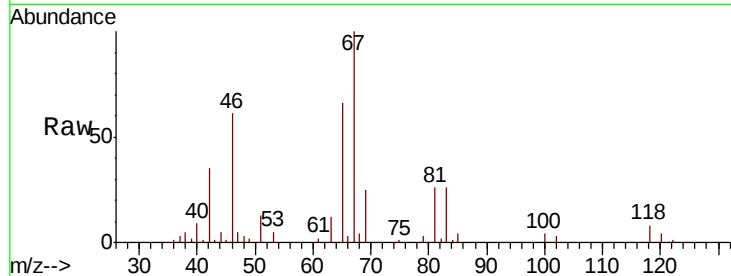




#35
Methvlcvclohexane
Concen: 0.845 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040821.D
Acq: 19 Oct 2020 22:18

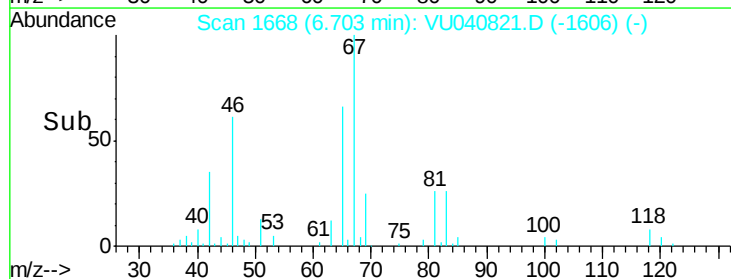
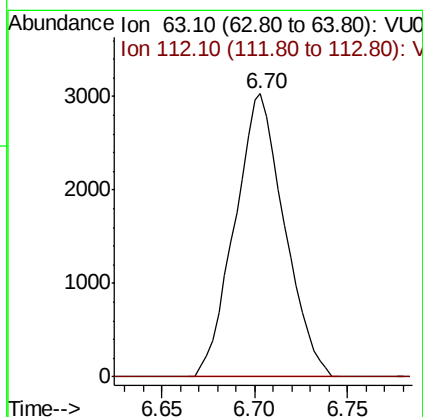
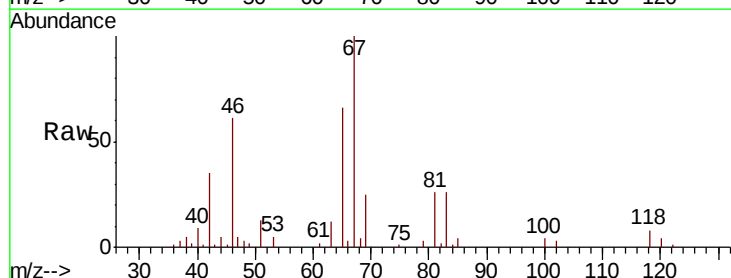
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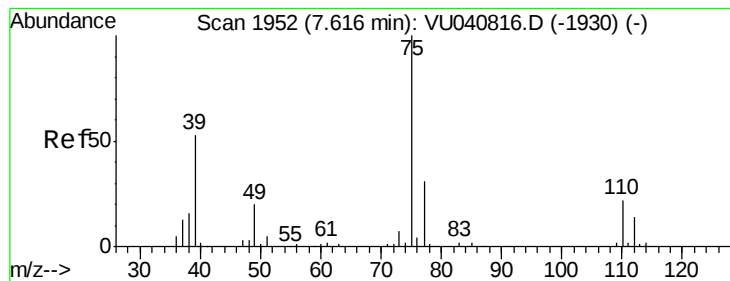
Tot Ion: 83 Resp: 11680
Ion Ratio Lower Upper
83 100
55 0.0 70.7 106.1#
98 0.0 38.4 57.6#



#37
1,2-Dichloropropane
Concen: 0.537 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040821.D
Acq: 19 Oct 2020 22:18

Tgt Ion: 63 Resp: 5623
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



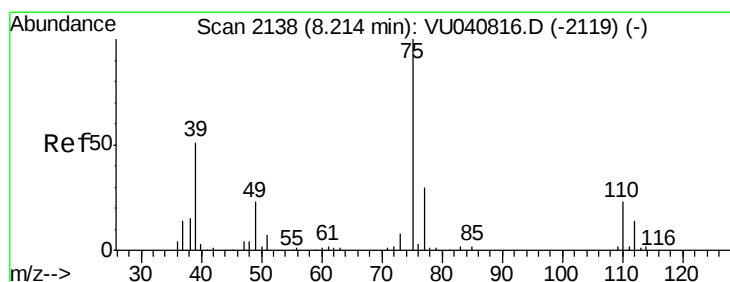
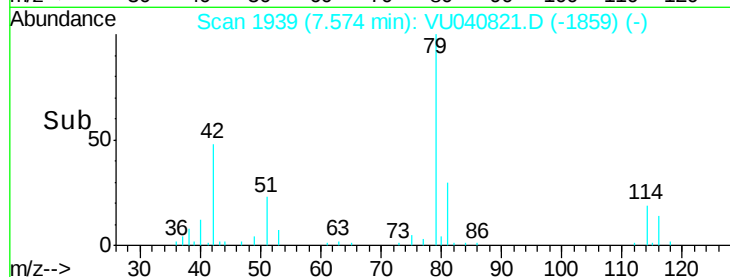
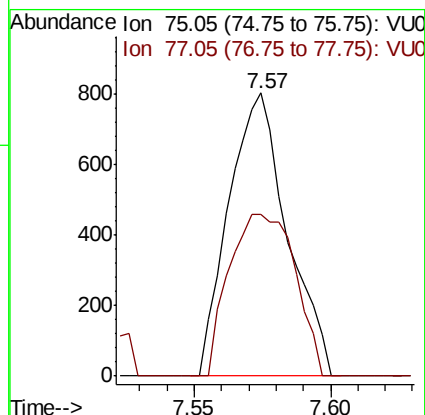
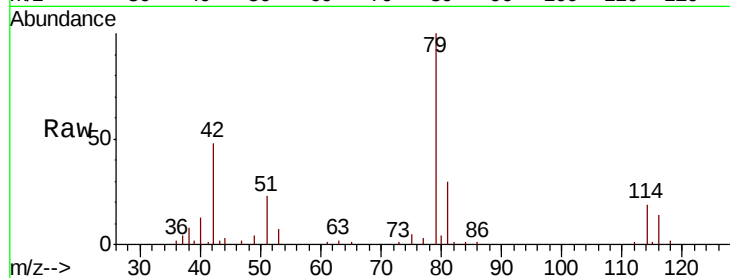


#39

cis-1,3-Dichloropropene
Concen: 0.084 ug/L
RT: 7.57 min Scan# 1939
Delta R.T. -0.04 min
Lab File: VU040821.D
Acq: 19 Oct 2020 22:18

Instrument :
MSVOA_U
ClientSampleId :
C0AH7

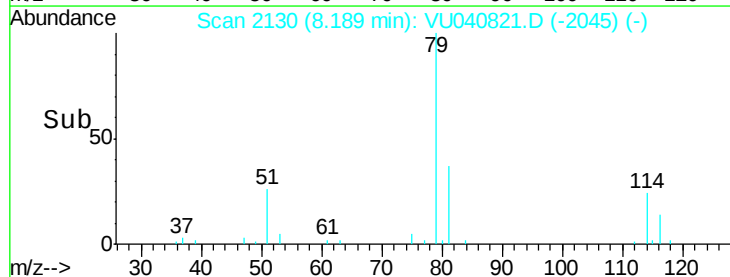
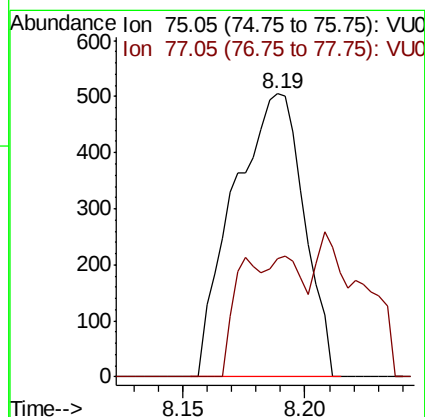
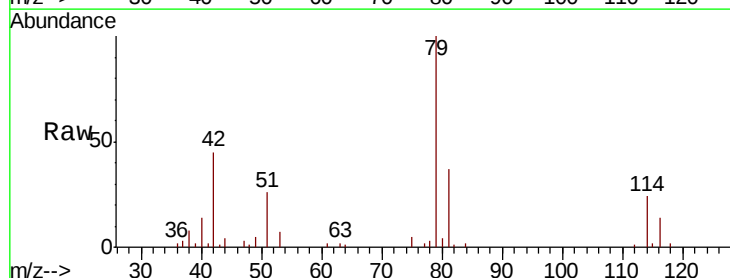
Tot Ion: 75 Resp: 1197
Ion Ratio Lower Upper
75 100
77 57.0 20.5 38.1#

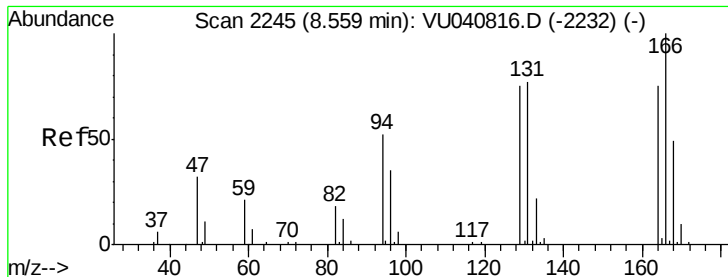


#44

trans-1,3-Dichloropropene
Concen: 0.077 ug/L
RT: 8.19 min Scan# 2130
Delta R.T. -0.03 min
Lab File: VU040821.D
Acq: 19 Oct 2020 22:18

Tgt Ion: 75 Resp: 1009
Ion Ratio Lower Upper
75 100
77 41.6 20.4 38.0#





#47

Tetrachloroethene

Concen: 0.272 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VU040821.D

Acq: 19 Oct 2020 22:18

Instrument :

MSVOA_U

ClientSampleId :

C0AH7

Tot Ion:164 Resp: 1892

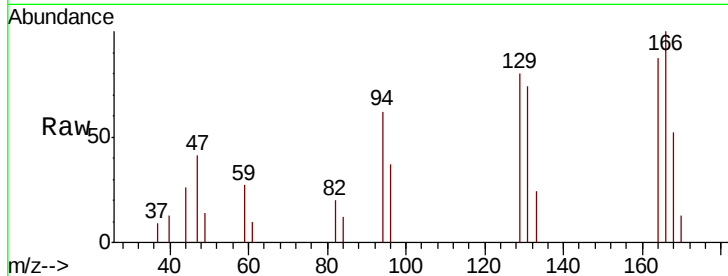
Ion Ratio Lower Upper

164 100

129 91.7 68.8 127.8

131 85.2 66.7 123.9

166 114.9 83.9 155.7

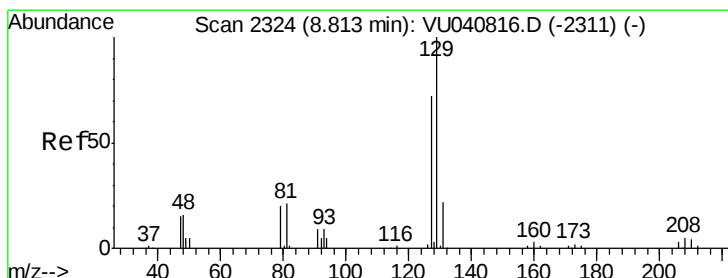
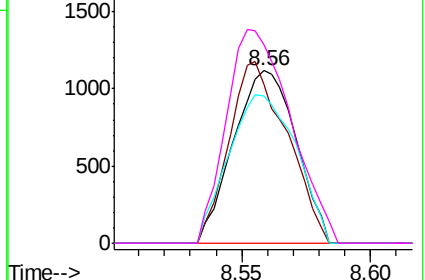
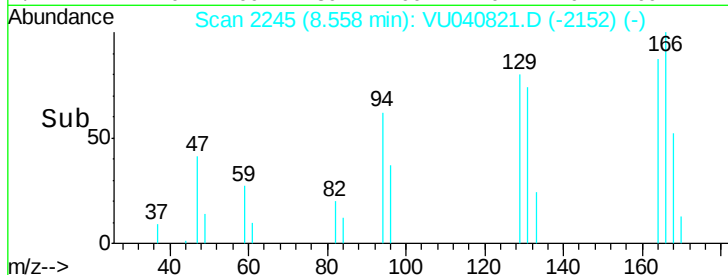


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.204 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU040821.D

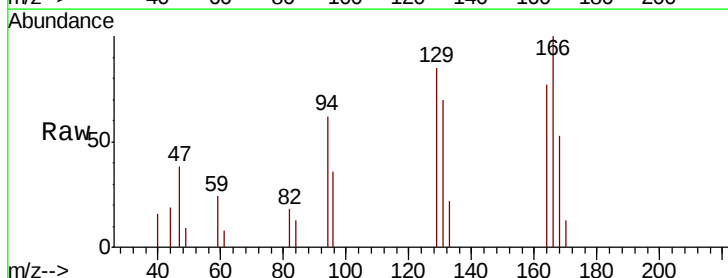
Acq: 19 Oct 2020 22:18

Tgt Ion:129 Resp: 1845

Ion Ratio Lower Upper

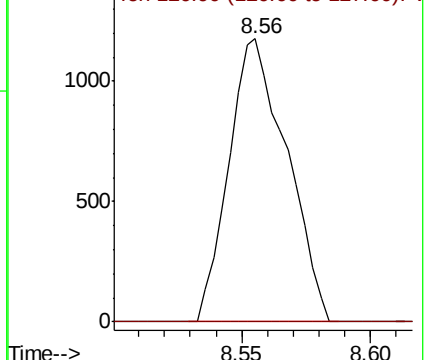
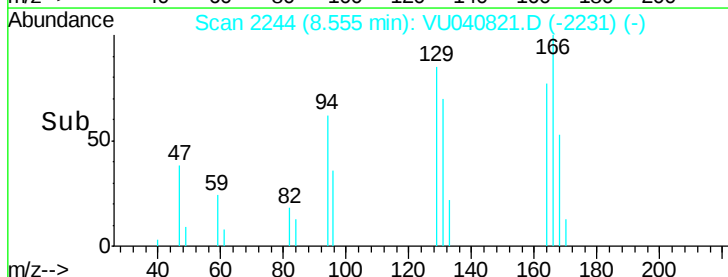
129 100

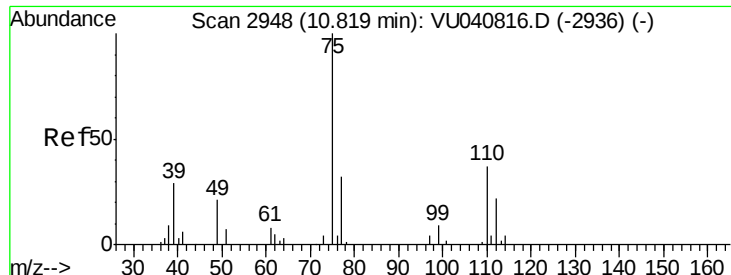
127 0.0 55.8 103.6#



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: 0.794 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU040821.D

Acq: 19 Oct 2020 22:18

Instrument :

MSVOA_U

ClientSampleId :

C0AH7

Tot Ion: 75 Resp: 6112

Ion Ratio Lower Upper

75 100

77 34.9 26.4 39.6

