

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100220\
 Data File : VU040473.D
 Acq On : 02 Oct 2020 20:35
 Operator : SY/MD
 Sample : L4185-14
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AR6

Quant Time: Oct 03 00:20:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 03 00:09:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	119722	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	120394	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	52398	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	31176	5.26	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.20%
7) Chloroethane-d5	1.92	69	26189	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.00%
11) 1,1-Dichloroethene-d2	2.58	63	50702	3.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.20%
20) 2-Butanone-d5	4.66	46	134702	45.75	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.50%
24) Chloroform-d	5.08	84	64269	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
26) 1,2-Dichloroethane-d4	5.72	65	41838	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
32) Benzene-d6	5.75	84	127399	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.20%
36) 1,2-Dichloropropane-d6	6.70	67	43088	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.40%
41) Toluene-d8	7.91	98	106532	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
43) trans-1,3-Dichloropropene-	8.19	79	17076	4.73	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.60%
46) 2-Hexanone-d5	8.64	63	87556	41.20	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.40%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	36429	4.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	41673	5.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.00%

Target Compounds

				Ovalue
3) Chloromethane	1.53	50	9638	0.819 ug/L 95
12) 1,1-Dichloroethene	2.57	96	557	0.061 ug/L # 1
13) Acetone	2.67	43	3614	1.473 ug/L 60
22) cis-1,2-Dichloroethene	4.69	96	2541	0.244 ug/L 93
25) Chloroform	5.11	83	2395	0.121 ug/L 91
34) Trichloroethene	6.56	95	2844	0.265 ug/L 96
35) Methylcyclohexane	6.70	83	10009	0.637 ug/L # 14
37) 1,2-Dichloropropane	6.71	63	4941	0.440 ug/L # 88
39) cis-1,3-Dichloropropene	7.57	75	1428	0.095 ug/L # 71
44) trans-1,3-Dichloropropene	8.19	75	786	0.057 ug/L # 39
47) Tetrachloroethene	8.56	164	2502	0.329 ug/L 87
48) 2-Hexanone	8.64	43	14278	2.201 ug/L # 71
49) Dibromochloromethane	8.56	129	2276	0.248 ug/L # 10
59) 1,2,3-Trichloropropane	11.81	75	7560	0.928 ug/L 92
63) 1,4-Dichlorobenzene	11.83	146	787	0.044 ug/L 86
69) Naphthalene	14.08	128	863	0.051 ug/L # 73

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Quant Time: Oct 03 00:20:35 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 03 00:09:31 2020
Response via : Initial Calibration

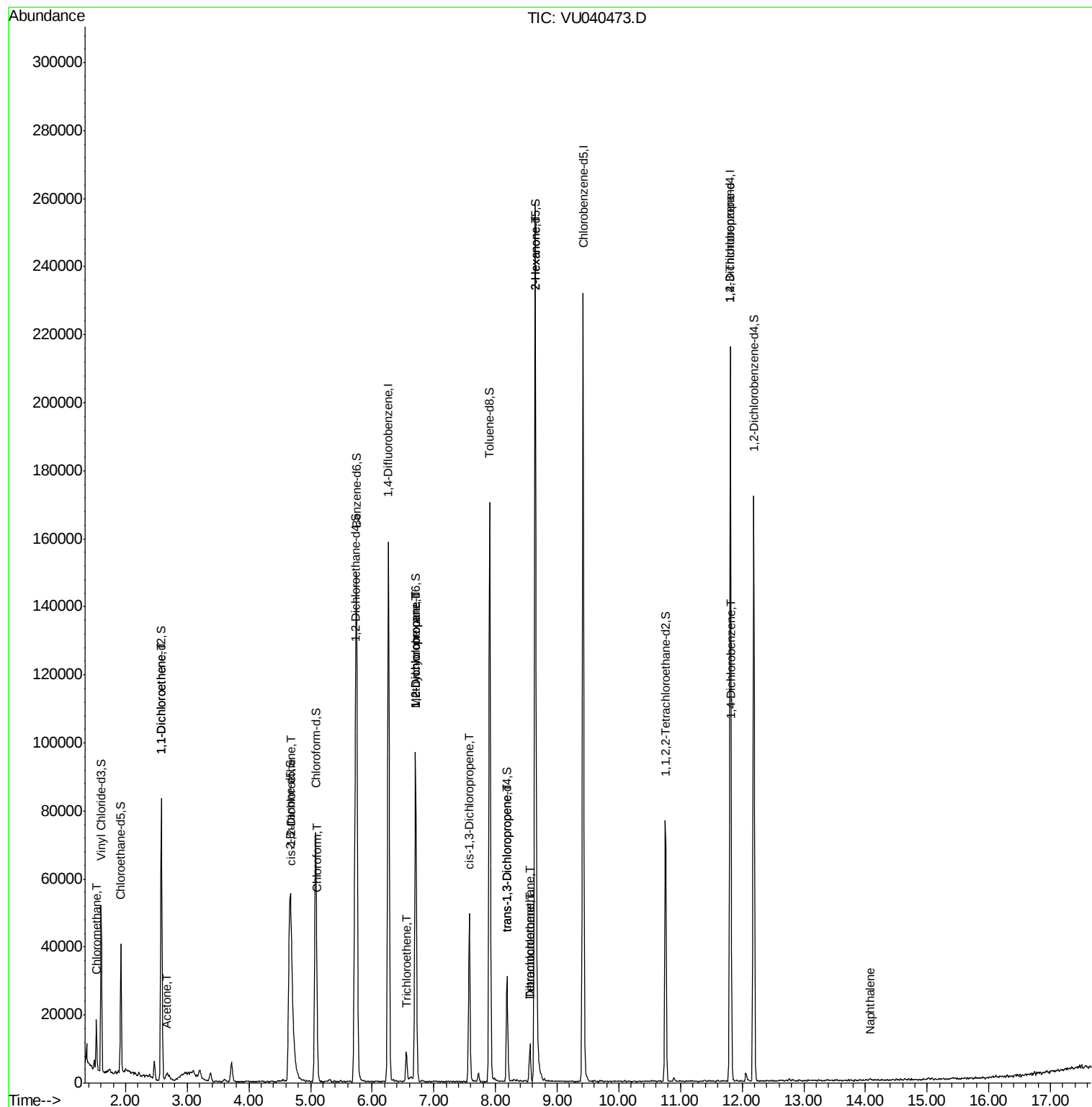
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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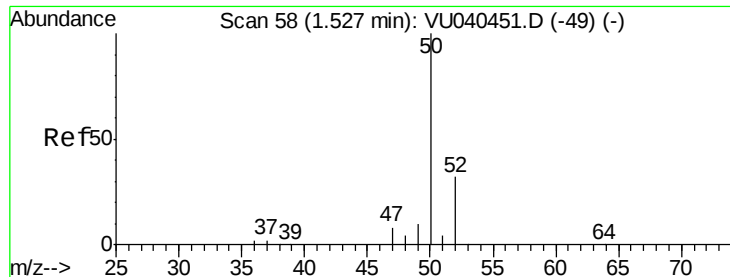
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 03 00:09:31 2020
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#3

Chloromethane

Concen: 0.819 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040473.D

Acq: 02 Oct 2020 20:35

Instrument :

MSVOA_U

ClientSampleId :

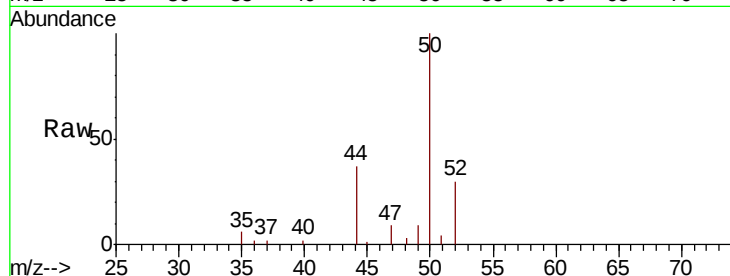
C0AR6

Tot Ion: 50 Resp: 9638

Ion Ratio Lower Upper

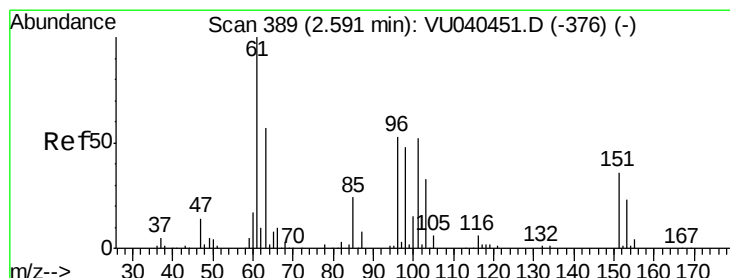
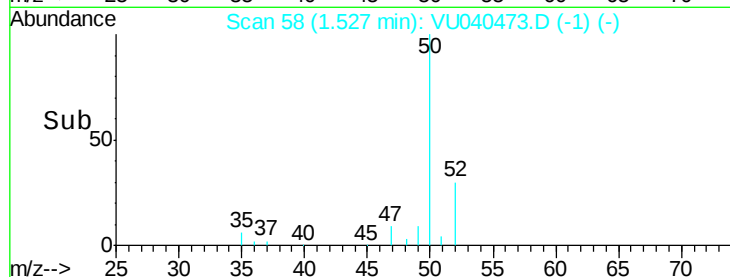
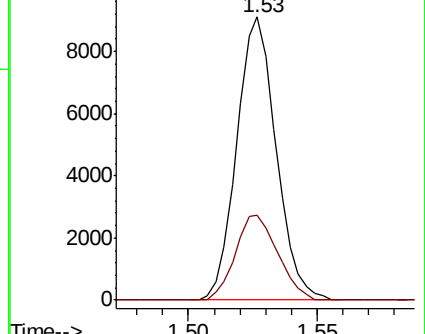
50 100

52 30.2 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#12

1,1-Dichloroethene

Concen: 0.061 ug/L

RT: 2.57 min Scan# 384

Delta R.T. -0.02 min

Lab File: VU040473.D

Acq: 02 Oct 2020 20:35

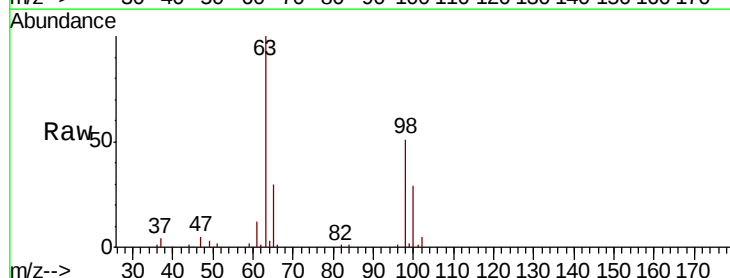
Tgt Ion: 96 Resp: 557

Ion Ratio Lower Upper

96 100

61 1034.5 128.6 238.8#

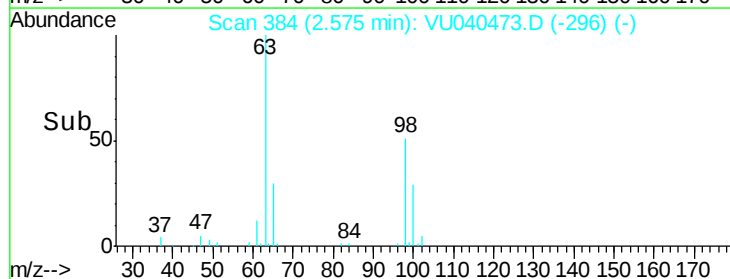
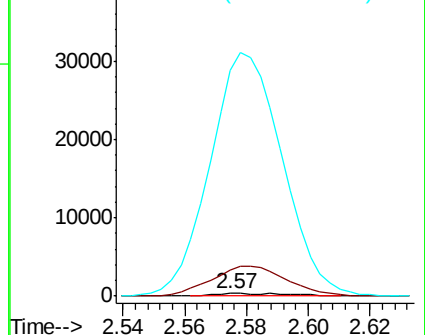
63 8773.2 67.8 126.0#

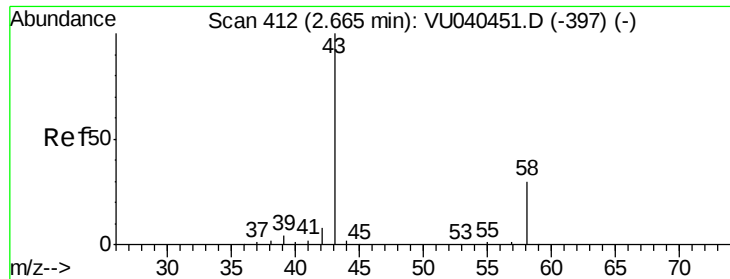


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.473 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.01 min

Lab File: VU040473.D

Acq: 02 Oct 2020 20:35

Instrument :

MSVOA_U

ClientSampleId :

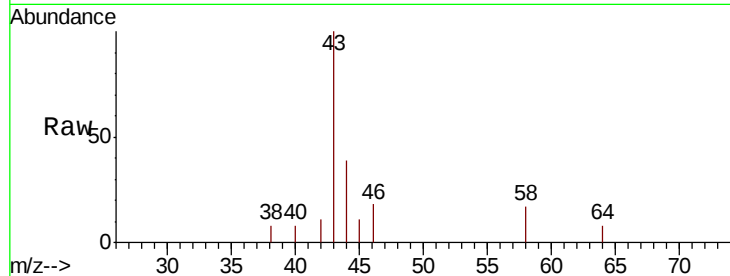
C0AR6

Tot Ion: 43 Resp: 3614

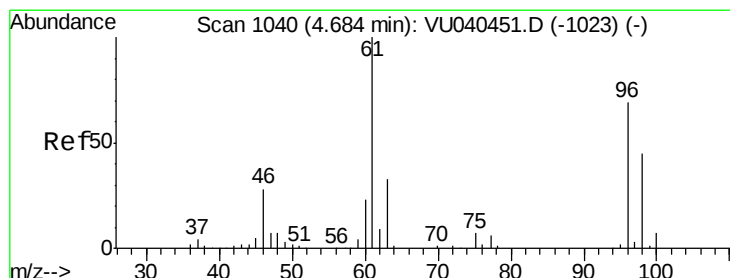
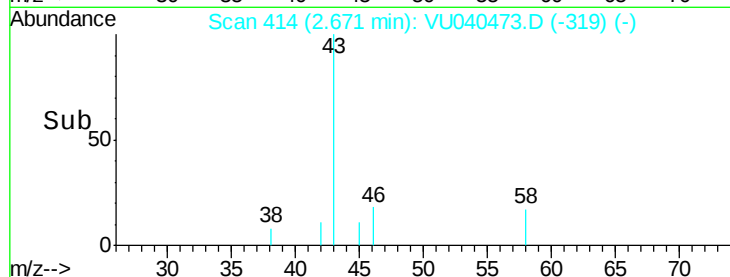
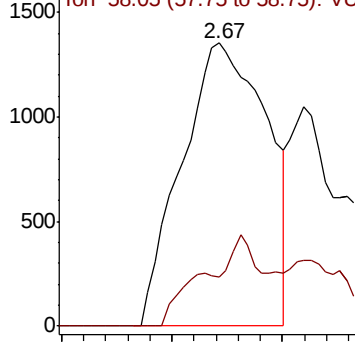
Ion Ratio Lower Upper

43 100

58 8.7 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU040473.D (-319) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.244 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.01 min

Lab File: VU040473.D

Acq: 02 Oct 2020 20:35

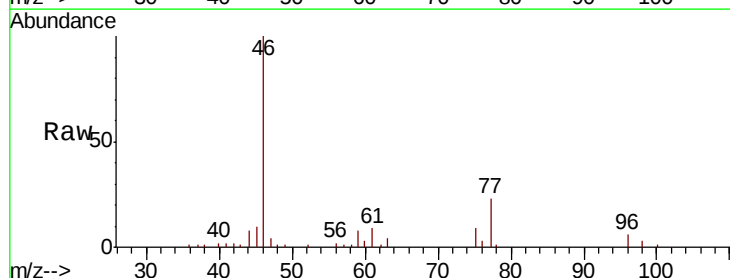
Tgt Ion: 96 Resp: 2541

Ion Ratio Lower Upper

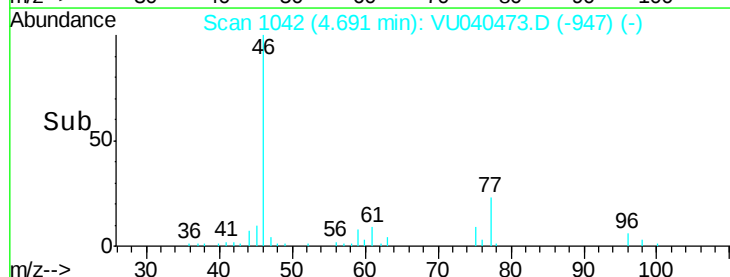
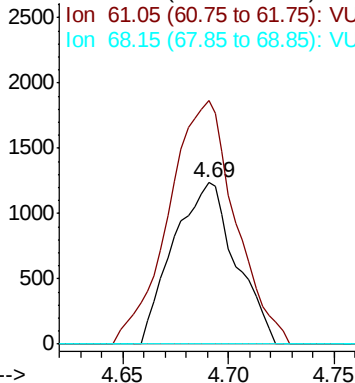
96 100

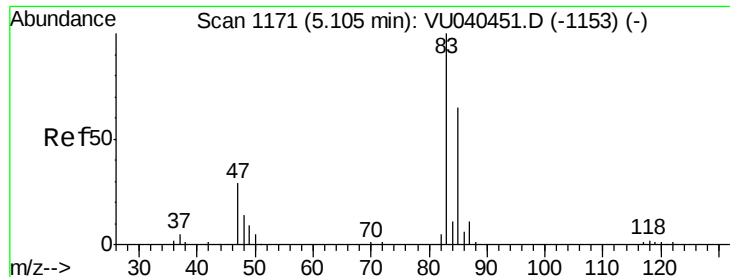
61 151.0 99.3 184.5

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040473.D (-947) (-)

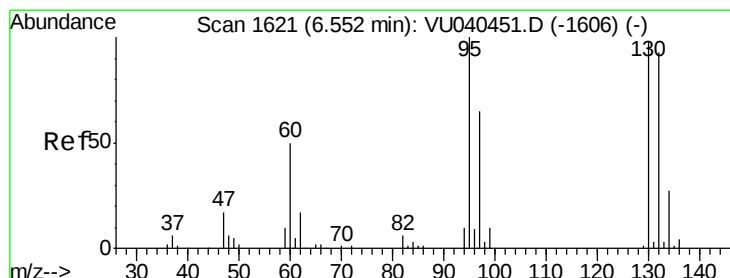
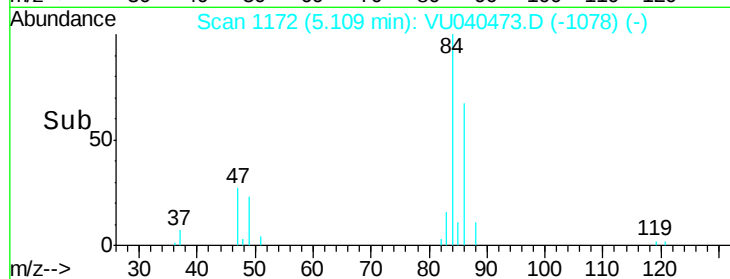
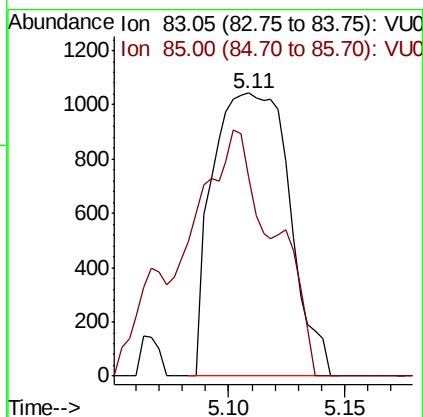
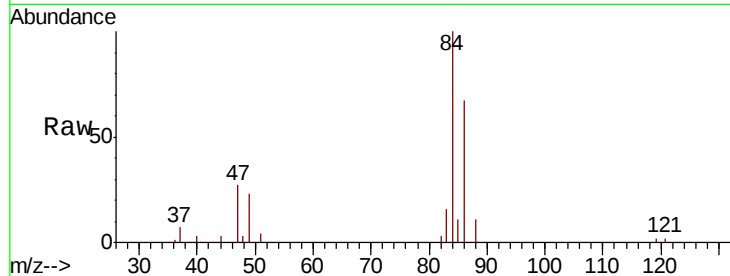




#25
Chloroform
Concen: 0.121 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040473.D
Acq: 02 Oct 2020 20:35

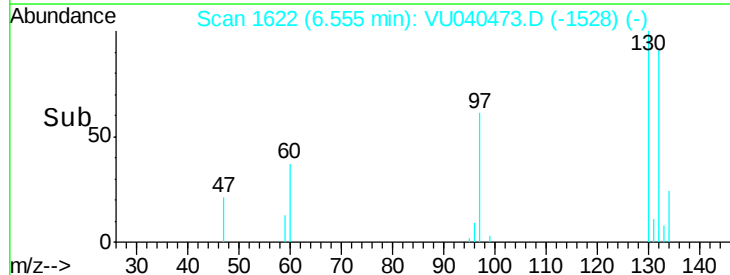
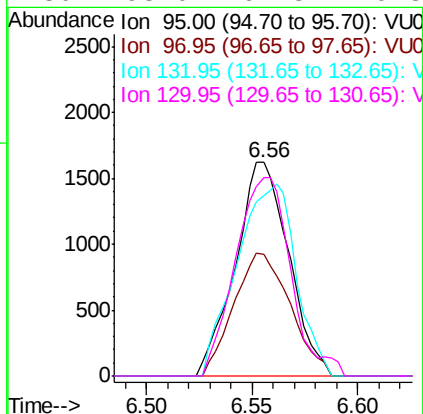
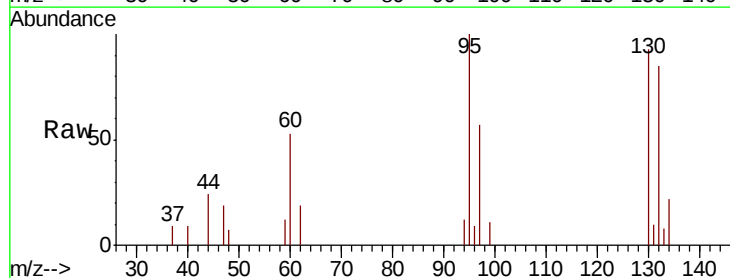
Instrument :
MSVOA_U
ClientSampled :
C0AR6

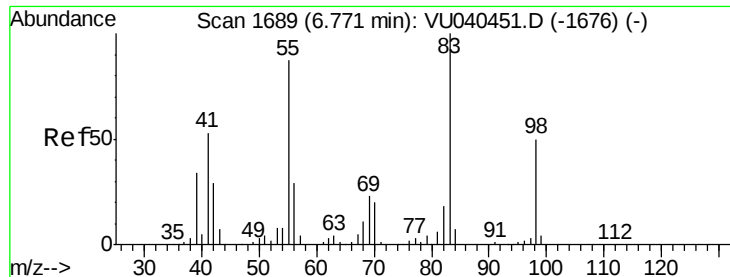
Tot Ion: 83 Resp: 2395
Ion Ratio Lower Upper
83 100
85 70.5 44.6 82.8



#34
Trichloroethene
Concen: 0.265 ug/L
RT: 6.56 min Scan# 1622
Delta R.T. 0.00 min
Lab File: VU040473.D
Acq: 02 Oct 2020 20:35

Tgt Ion: 95 Resp: 2844
Ion Ratio Lower Upper
95 100
97 56.9 46.3 85.9
132 84.6 60.5 112.3
130 93.0 64.3 119.3

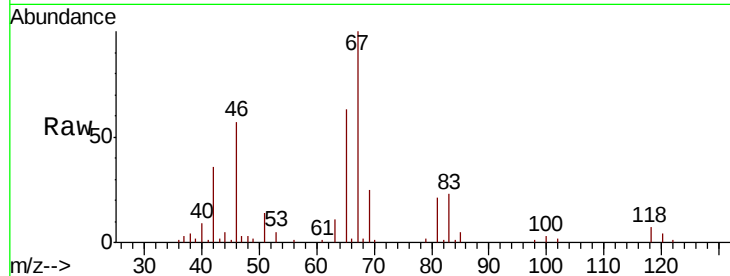




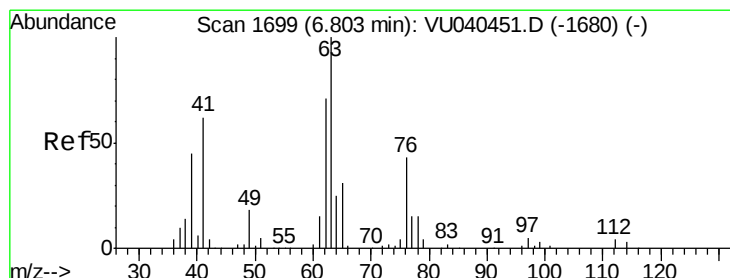
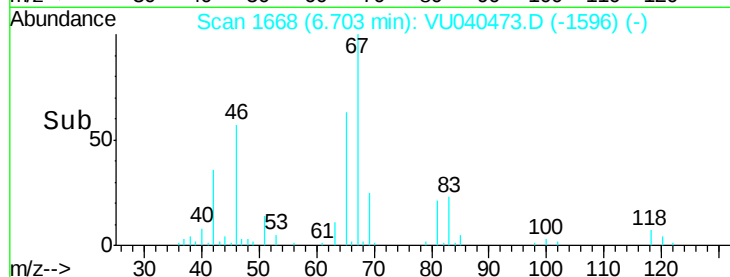
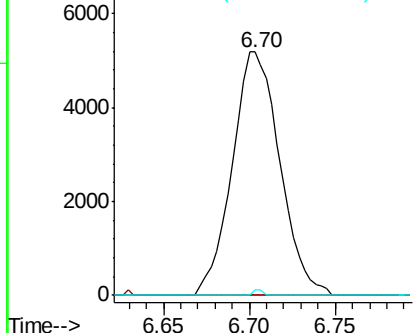
#35
Methvlcvclohexane
Concen: 0.637 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040473.D
Acq: 02 Oct 2020 20:35

Instrument :
MSVOA_U
ClientSampleId :
C0AR6

Tot Ion: 83 Resp: 10009
Ion Ratio Lower Upper
83 100
55 0.2 71.4 107.2#
98 0.5 38.5 57.7#

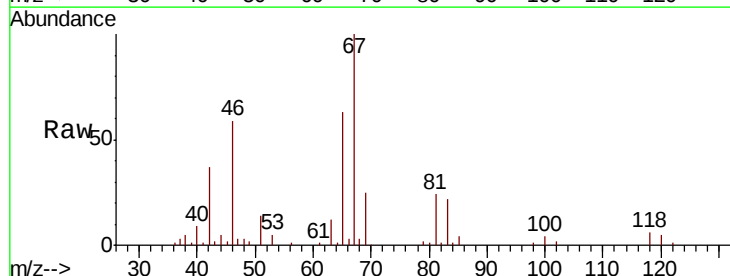


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

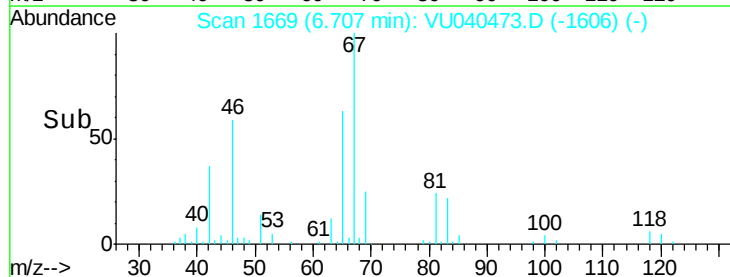
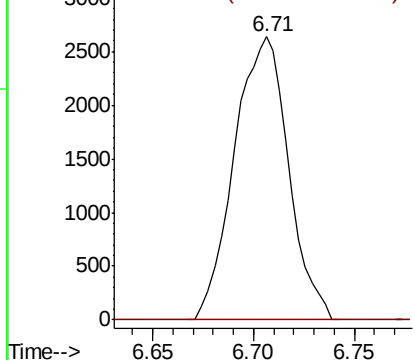


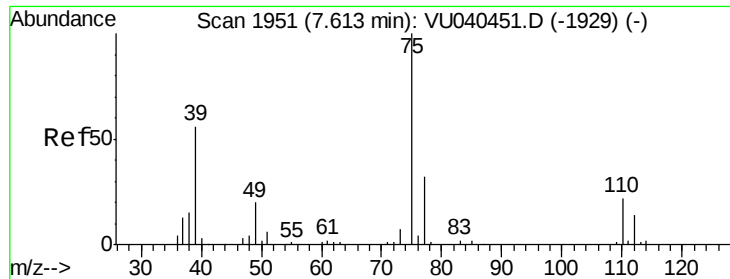
#37
1,2-Dichloropropane
Concen: 0.440 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.10 min
Lab File: VU040473.D
Acq: 02 Oct 2020 20:35

Tgt Ion: 63 Resp: 4941
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#



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

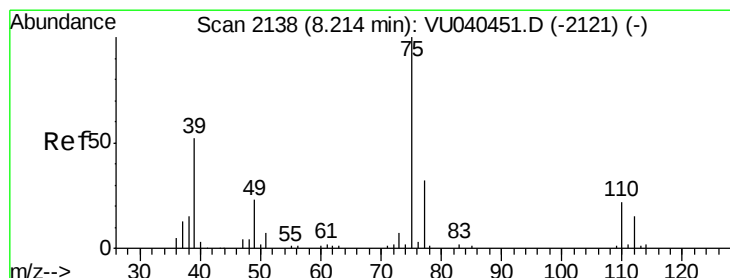
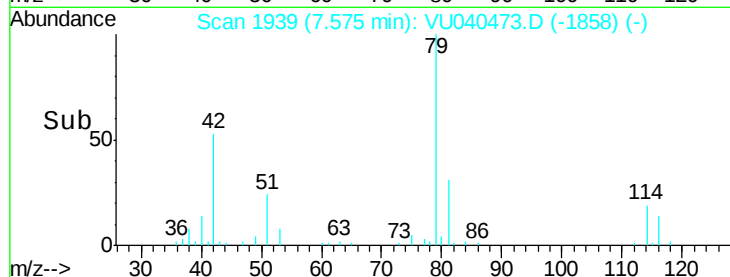
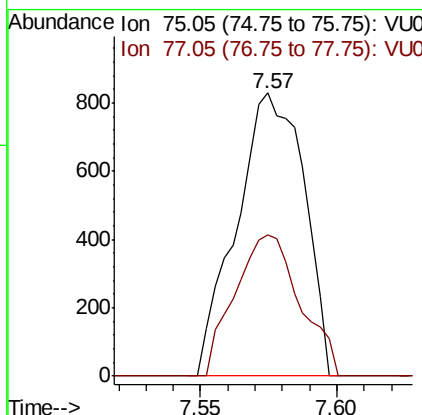
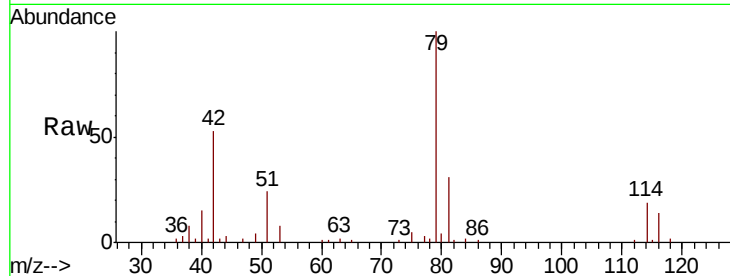




#39
 cis-1,3-Dichloropropene
 Concen: 0.095 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040473.D
 Acq: 02 Oct 2020 20:35

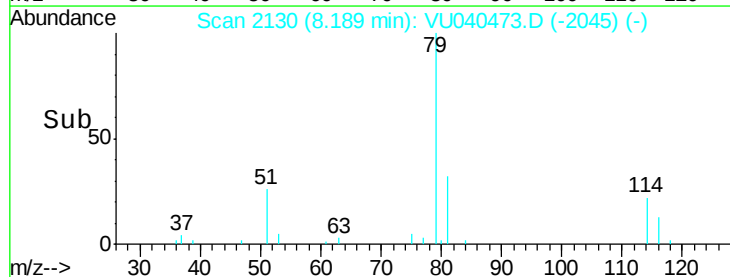
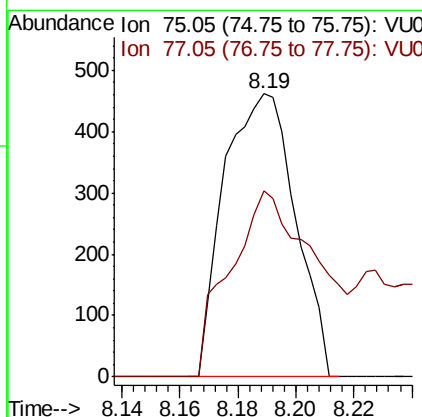
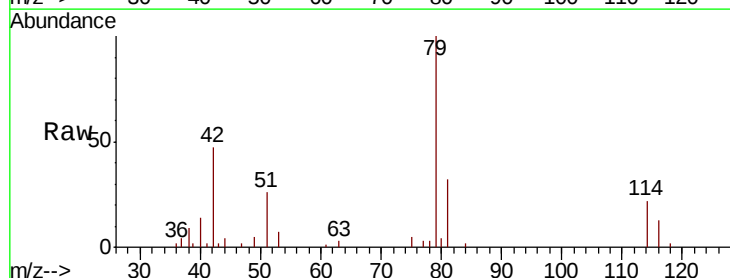
Instrument :
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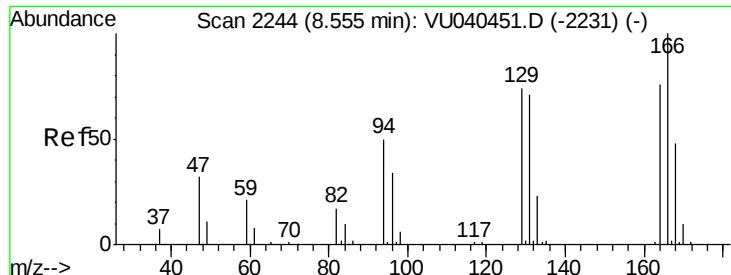
Tot Ion: 75 Resp: 1428
 Ion Ratio Lower Upper
 75 100
 77 49.9 23.5 43.7#



#44
 trans-1,3-Dichloropropene
 Concen: 0.057 ug/L
 RT: 8.19 min Scan# 2130
 Delta R.T. -0.03 min
 Lab File: VU040473.D
 Acq: 02 Oct 2020 20:35

Tgt Ion: 75 Resp: 786
 Ion Ratio Lower Upper
 75 100
 77 65.8 22.3 41.3#

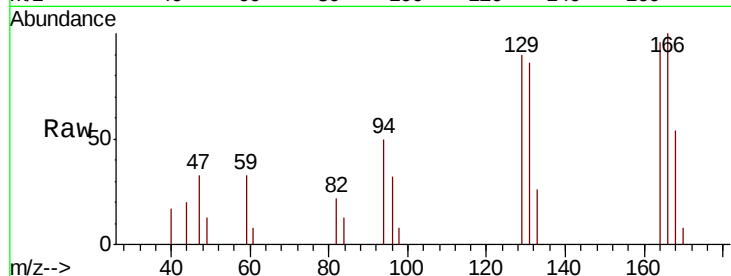




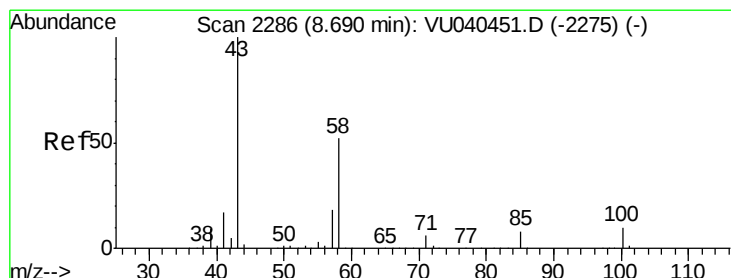
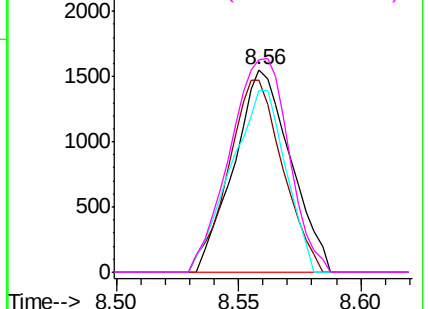
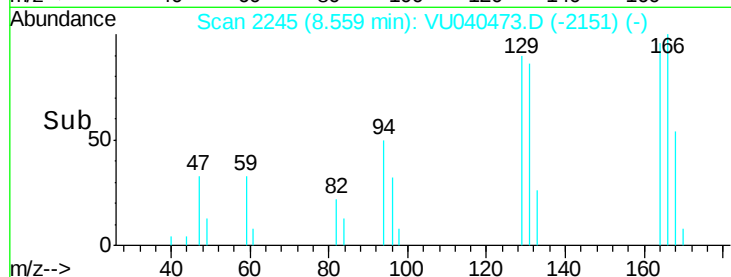
#47
Tetrachloroethene
Concen: 0.329 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU040473.D
Acq: 02 Oct 2020 20:35

Instrument :
MSVOA_U
ClientSampleId :
C0AR6

Tot Ion:164 Resp: 2502
Ion Ratio Lower Upper
164 100
129 94.7 70.3 130.7
131 89.9 69.2 128.6
166 104.7 91.1 169.3

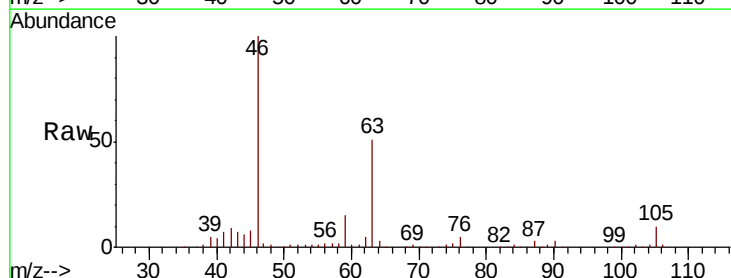


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

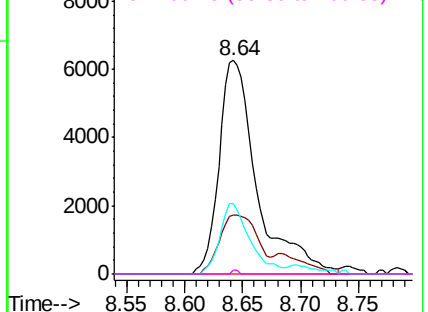
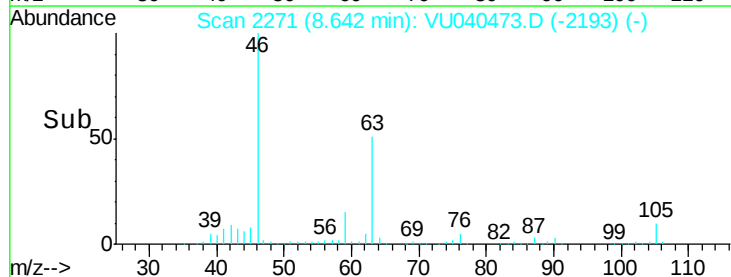


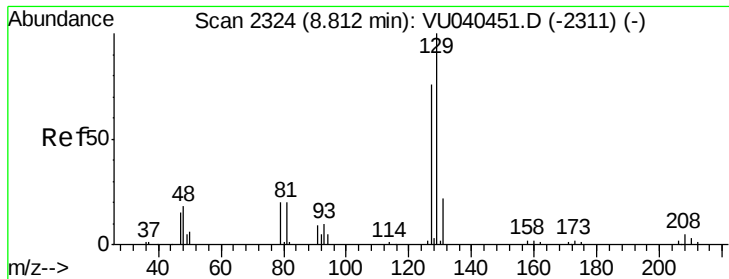
#48
2-Hexanone
Concen: 2.201 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU040473.D
Acq: 02 Oct 2020 20:35

Tgt Ion: 43 Resp: 14278
Ion Ratio Lower Upper
43 100
58 27.5 41.0 61.4#
57 26.1 14.6 22.0#
100 0.3 8.2 12.4#



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: 0.248 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU040473.D

Acq: 02 Oct 2020 20:35

Instrument :

MSVOA_U

ClientSampleId :

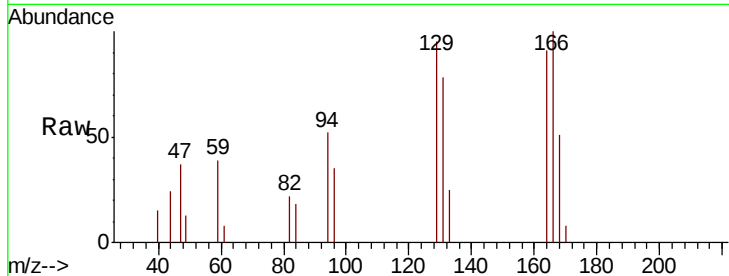
C0AR6

Tot Ion:129 Resp: 2276

Ion Ratio Lower Upper

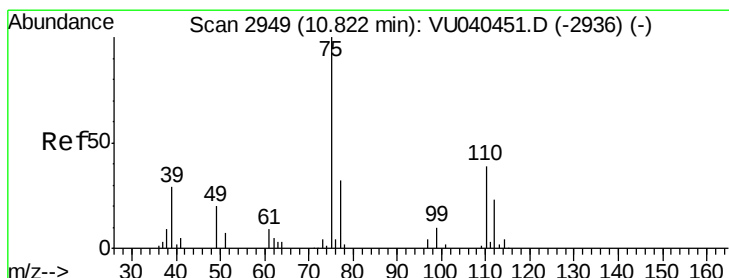
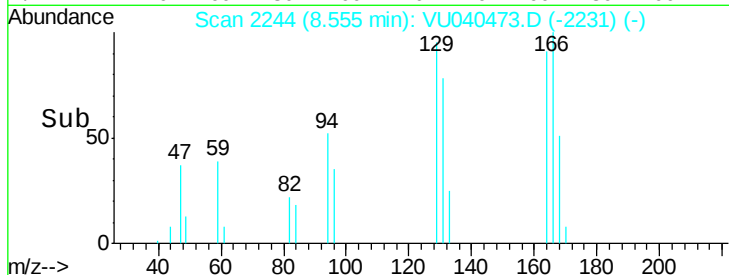
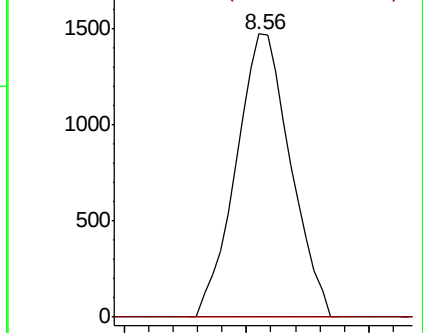
129 100

127 0.0 55.4 103.0#



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: 0.928 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040473.D

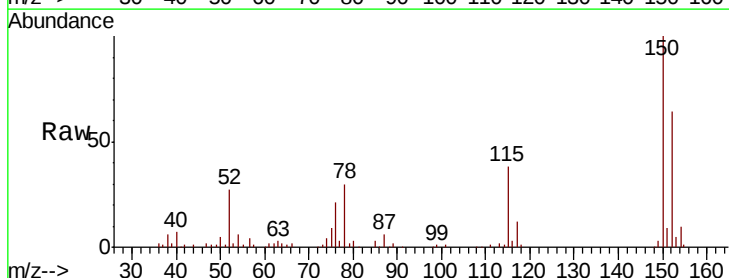
Acq: 02 Oct 2020 20:35

Tgt Ion: 75 Resp: 7560

Ion Ratio Lower Upper

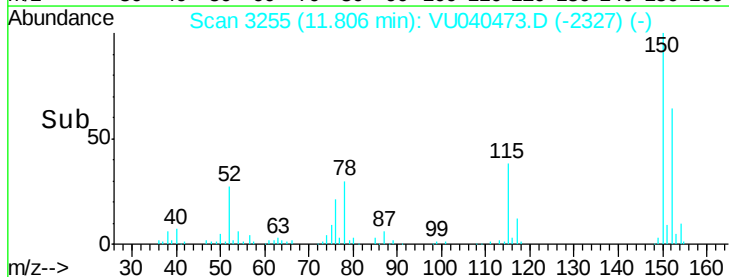
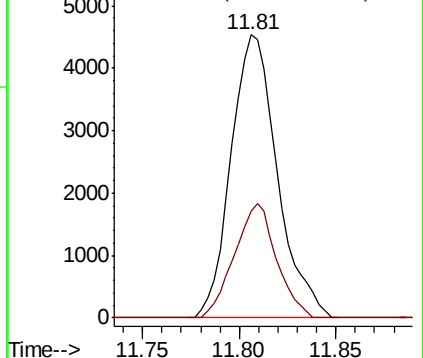
75 100

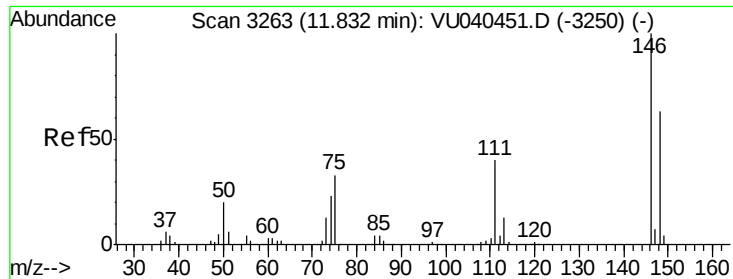
77 36.6 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#63

1,4-Dichlorobenzene

Concen: 0.044 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU040473.D

Acq: 02 Oct 2020 20:35

Instrument :

MSVOA_U

ClientSampleId :

C0AR6

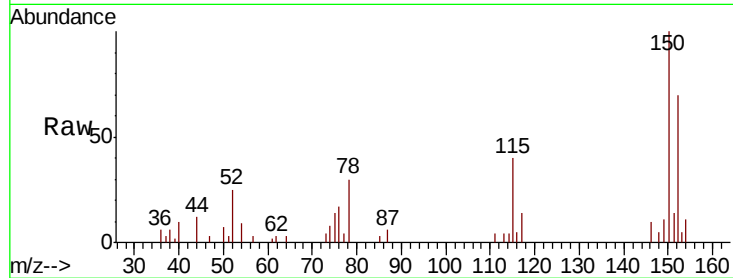
Tot Ion:146 Resp: 787

Ion Ratio Lower Upper

146 100

111 38.1 29.2 54.2

148 48.2 44.4 82.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

800

600

400

200

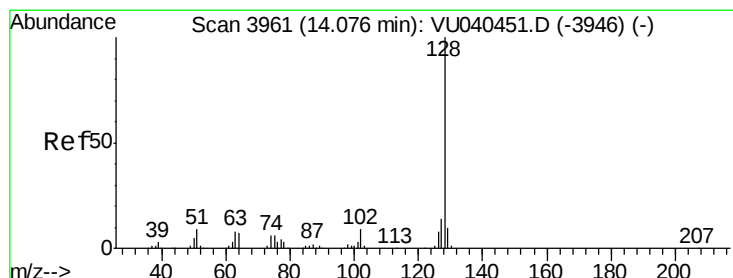
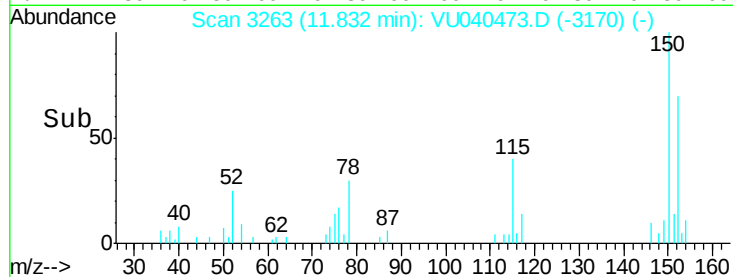
0

11.80

11.83

11.85

Time-->



#69

Naphthalene

Concen: 0.051 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040473.D

Acq: 02 Oct 2020 20:35

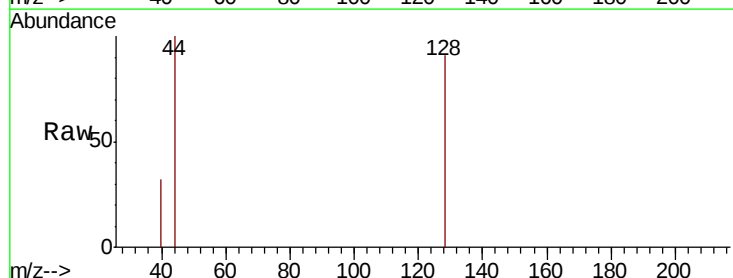
Tgt Ion:128 Resp: 863

Ion Ratio Lower Upper

128 100

129 0.0 8.2 12.4#

127 2.2 10.2 15.4#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

600

400

200

0

14.05

14.08

14.10

Time-->

