

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053120\
 Data File : VU038425.D
 Acq On : 30 May 2020 19:52
 Operator : JC/MD
 Sample : L2787-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 01 02:41:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 01 02:37:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	329076	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	320959	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	153138	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	105775	4.97	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.40%
7) Chloroethane-d5	1.93	69	84687	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.40%
11) 1,1-Dichloroethene-d2	2.59	63	154230	3.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.60%
20) 2-Butanone-d5	4.68	46	378022	58.43	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.86%
24) Chloroform-d	5.10	84	204987	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.40%
26) 1,2-Dichloroethane-d4	5.74	65	122740	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.00%
32) Benzene-d6	5.76	84	418030	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.40%
36) 1,2-Dichloropropane-d6	6.72	67	130209	5.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.60%
41) Toluene-d8	7.92	98	349944	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
43) trans-1,3-Dichloropropene-	8.20	79	52409	4.95	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.00%
46) 2-Hexanone-d5	8.65	63	320808	61.31	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	122.62%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	113787	5.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	141515	5.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	2980	0.149	ug/L #	61
13) Acetone	2.68	43	26790	6.327	ug/L	96
15) Methyl Acetate	2.99	43	2219	0.214	ug/L #	64
19) 1,1-Dichloroethane	3.91	63	4399	0.113	ug/L	97
21) 2-Butanone	4.85	43	316908	44.498	ug/L #	50
22) cis-1,2-Dichloroethene	4.71	96	3616	0.154	ug/L	89
25) Chloroform	5.13	83	47500	1.196	ug/L	100
30) Cyclohexane	5.42	56	4543	0.128	ug/L	92
34) Trichloroethene	6.57	95	77734	3.346	ug/L	96
35) Methylcyclohexane	6.72	83	30818	0.857	ug/L #	18
37) 1,2-Dichloropropane	6.72	63	14353	0.637	ug/L #	86
39) cis-1,3-Dichloropropene	7.59	75	3557	0.107	ug/L #	73
47) Tetrachloroethene	8.57	164	3258	0.193	ug/L	95
48) 2-Hexanone	8.70	43	14522	1.191	ug/L	97
49) Dibromochloromethane	8.58	129	3146	0.172	ug/L #	11
59) 1,2,3-Trichloropropane	11.83	75	19466	1.158	ug/L	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053120\
Data File : VU038425.D
Acq On : 30 May 2020 19:52
Operator : JC/MD
Sample : L2787-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jun 01 02:41:43 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 01 02:37:32 2020
Response via : Initial Calibration

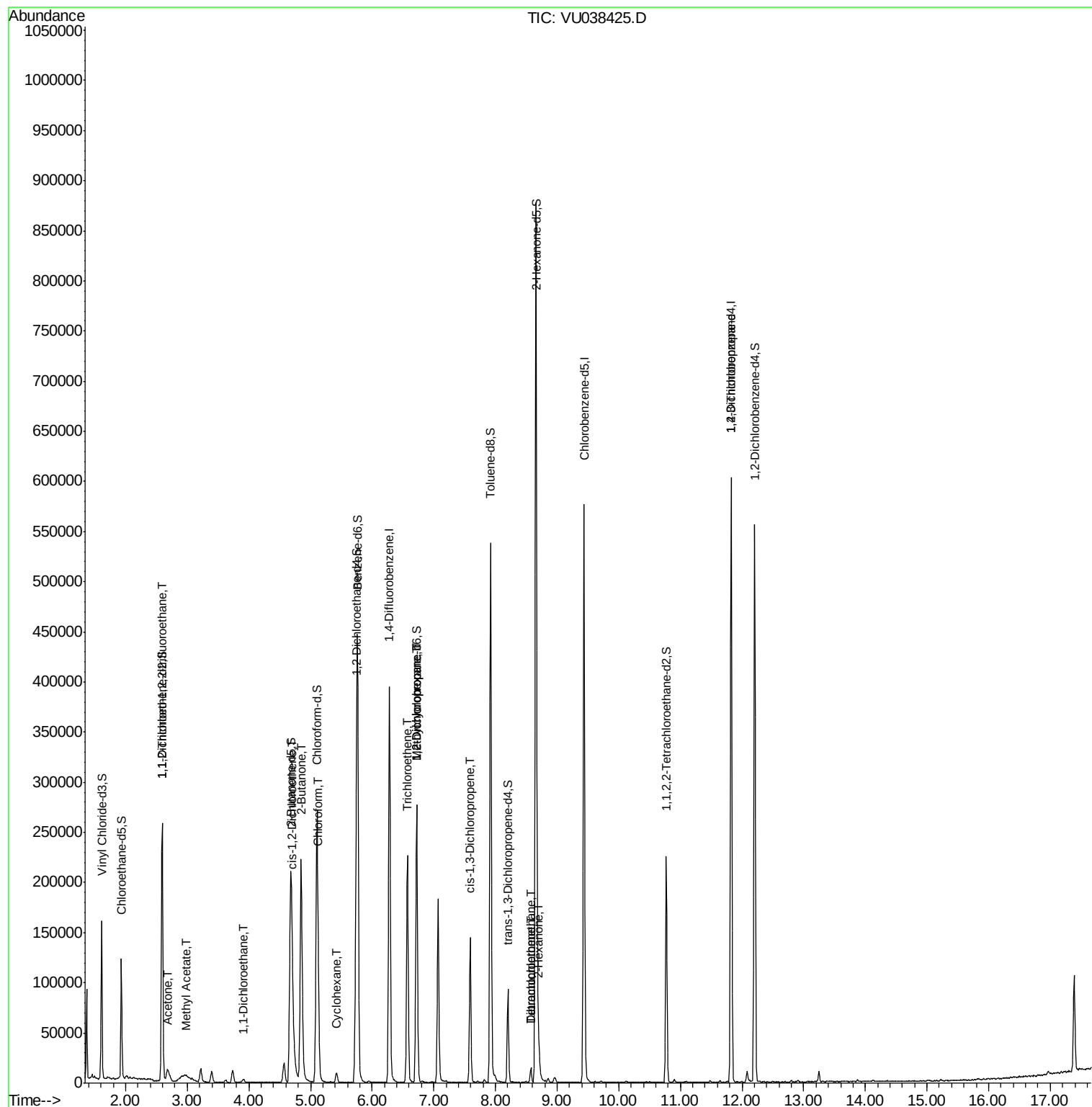
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

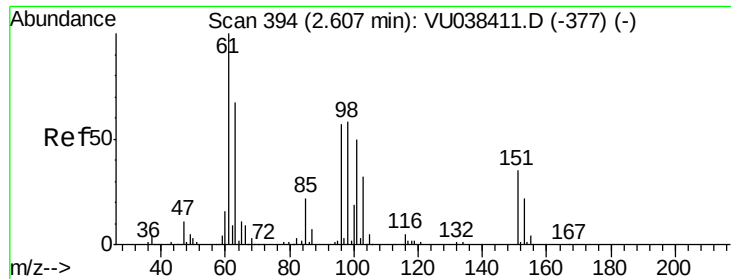
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU053120\
Data File : VU038425.D
Acq On : 30 May 2020 19:52
Operator : JC/MD
Sample : L2787-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jun 01 02:41:43 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 01 02:37:32 2020
Response via : Initial Calibration





#10

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

Concen: 0.149 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU038425.D

Acq: 30 May 2020 19:52

Instrument :

MSVOA_U

ClientSampleId :

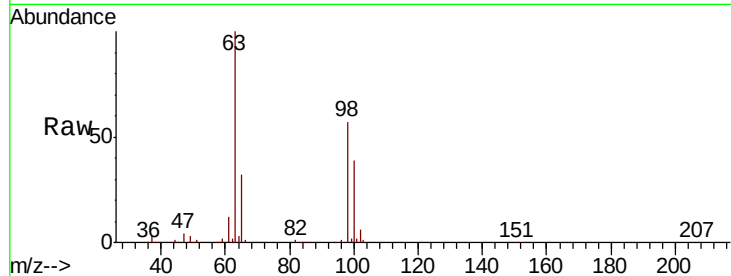
Tot Ion:101 Resp: 2980

Ion Ratio Lower Upper

101 100

85 21.2 34.0 51.0#

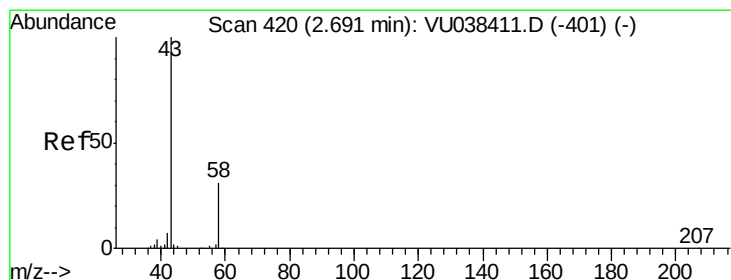
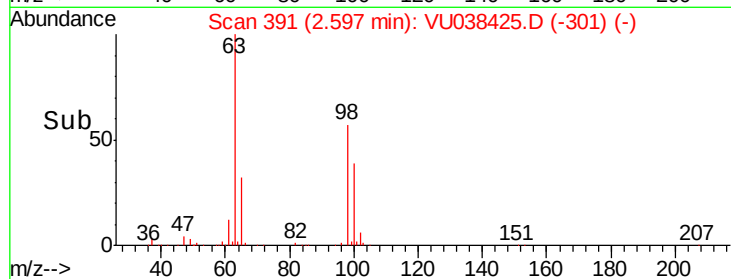
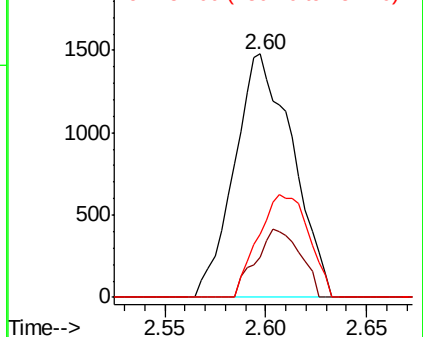
151 36.3 56.9 85.3#



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



#13

Acetone

Concen: 6.327 ug/L

RT: 2.68 min Scan# 418

Delta R.T. -0.01 min

Lab File: VU038425.D

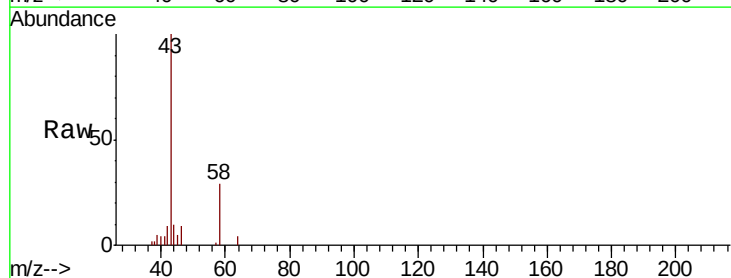
Acq: 30 May 2020 19:52

Tgt Ion: 43 Resp: 26790

Ion Ratio Lower Upper

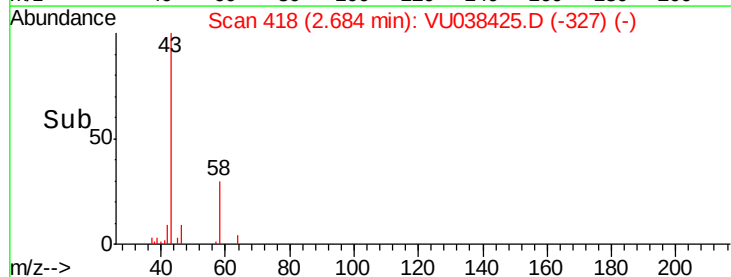
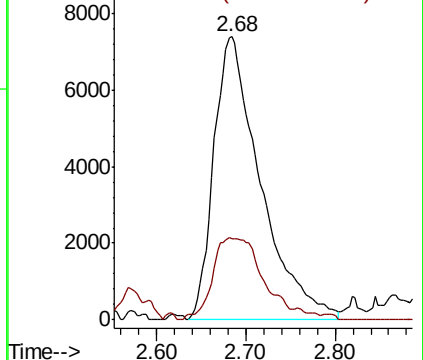
43 100

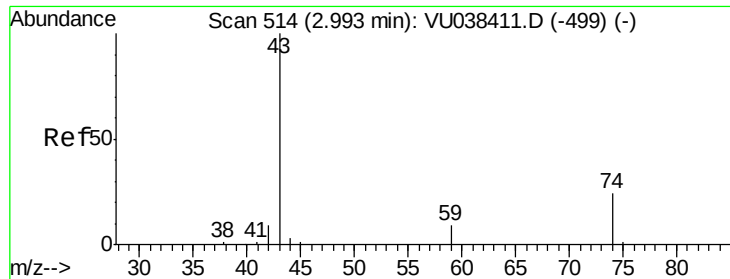
58 30.6 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0





#15

Methvl Acetate

Concen: 0.214 ug/L

RT: 2.99 min Scan# 512

Delta R.T. -0.01 min

Lab File: VU038425.D

Acq: 30 May 2020 19:52

Instrument :

MSVOA_U

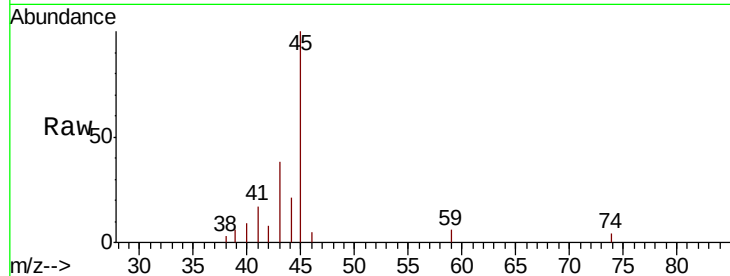
ClientSampled :

Tot Ion: 43 Resp: 2219

Ion Ratio Lower Upper

43 100

74 6.1 19.2 28.8#



Abundance Ion 43.05 (42.75 to 43.75): VU038411.D (-499) (-)

Ion 74.05 (73.75 to 74.75): VU038411.D (-499) (-)

2.99

1500

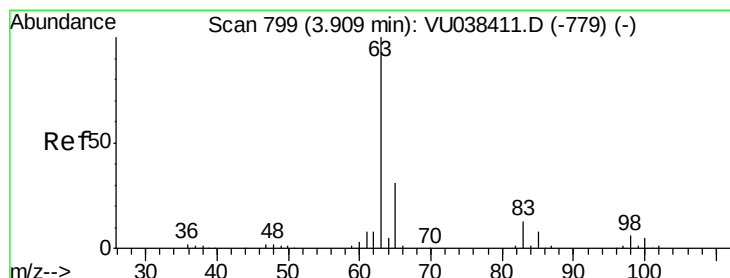
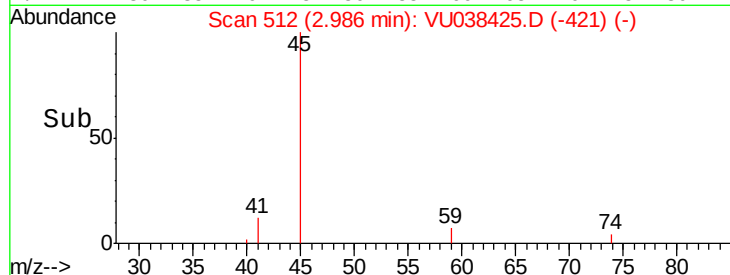
1000

500

0

2.95 3.00 3.05

Time-->



#19

1,1-Dichloroethane

Concen: 0.113 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU038425.D

Acq: 30 May 2020 19:52

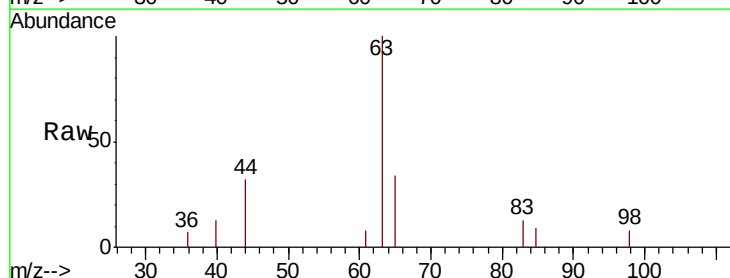
Tgt Ion: 63 Resp: 4399

Ion Ratio Lower Upper

63 100

65 33.6 22.3 41.5

83 13.2 10.4 19.4



Abundance Ion 63.10 (62.80 to 63.80): VU038411.D (-779) (-)

Ion 65.10 (64.80 to 65.80): VU038411.D (-779) (-)

Ion 83.05 (82.75 to 83.75): VU038411.D (-779) (-)

2500

2000

1500

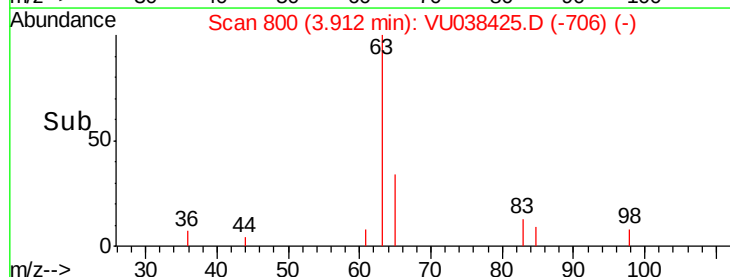
1000

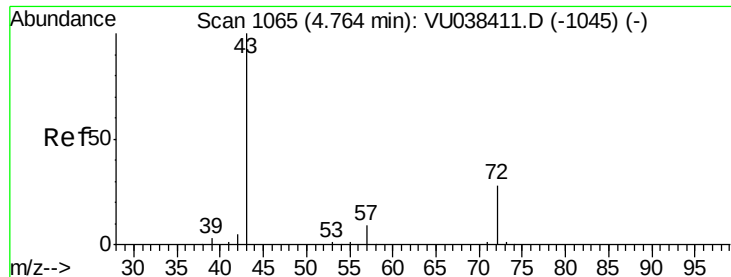
500

0

3.85 3.90 3.95

Time-->





#21

2-Butanone

Concen: 44.498 ug/L

RT: 4.85 min Scan# 1091

Delta R.T. 0.08 min

Lab File: VU038425.D

Acq: 30 May 2020 19:52

Instrument :

MSVOA_U

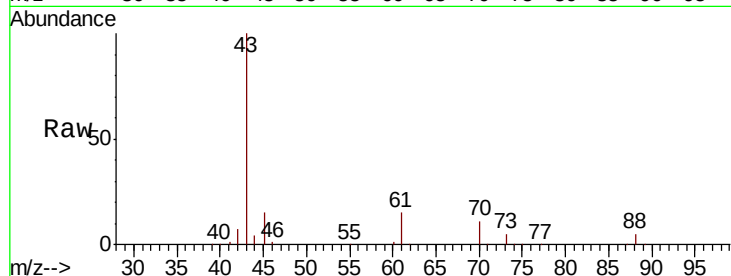
ClientSampled :

Tot Ion: 43 Resp: 316908

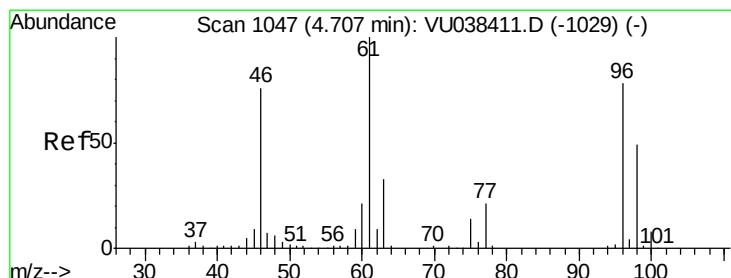
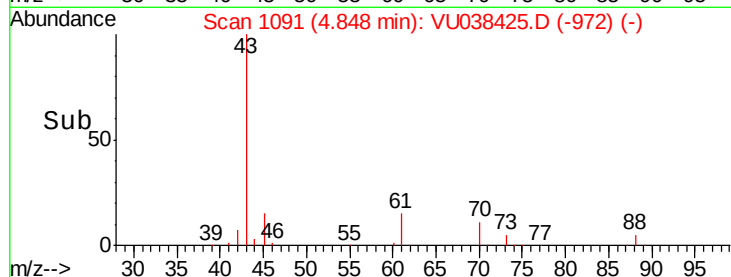
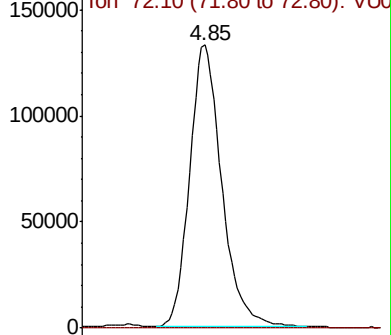
Ion Ratio Lower Upper

43 100

72 0.0 12.6 37.8#



Abundance Ion 43.05 (42.75 to 43.75): VU038425.D (-972) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.154 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038425.D

Acq: 30 May 2020 19:52

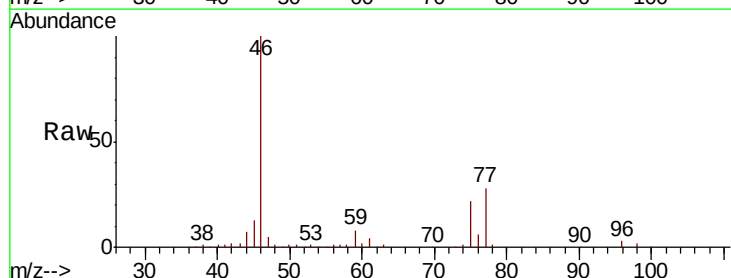
Tgt Ion: 96 Resp: 3616

Ion Ratio Lower Upper

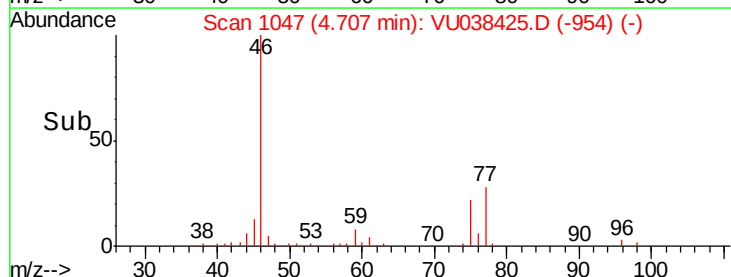
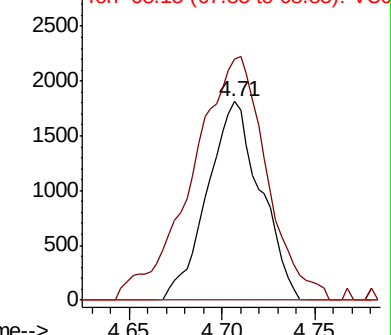
96 100

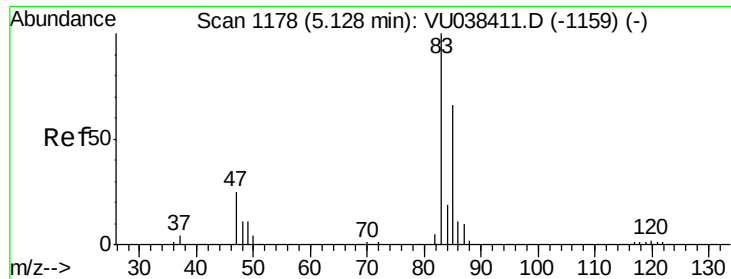
61 121.5 94.0 174.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038425.D (-954) (-)

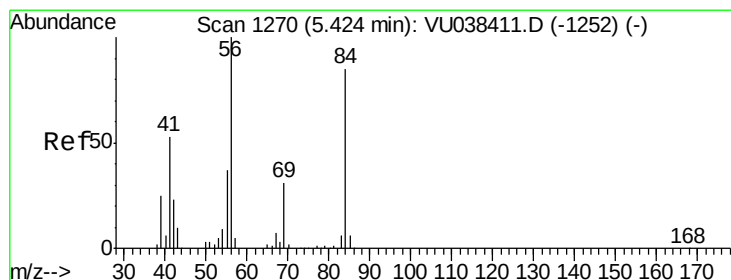
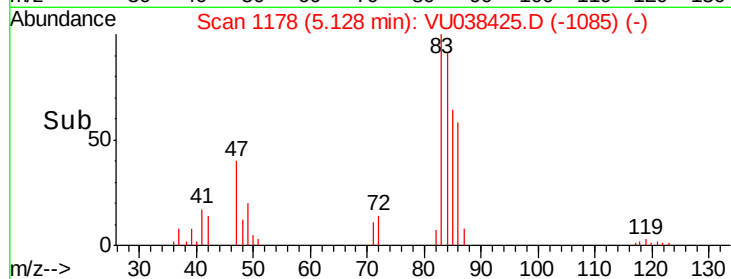
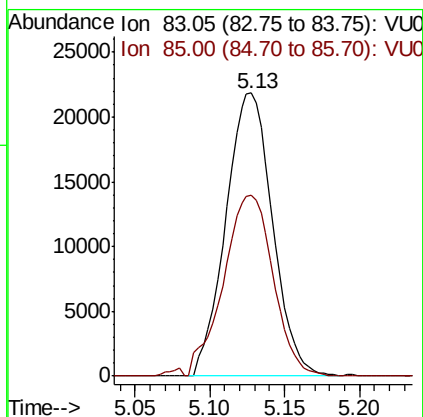
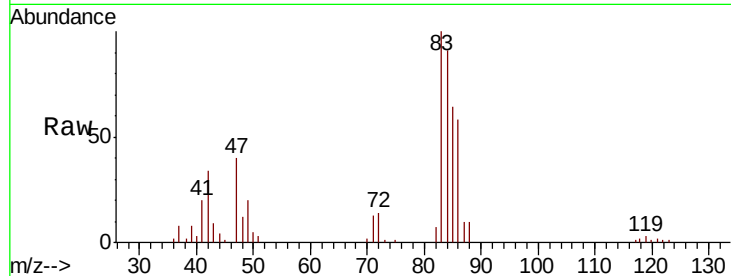




#25
Chloroform
Concen: 1.196 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU038425.D
Acq: 30 May 2020 19:52

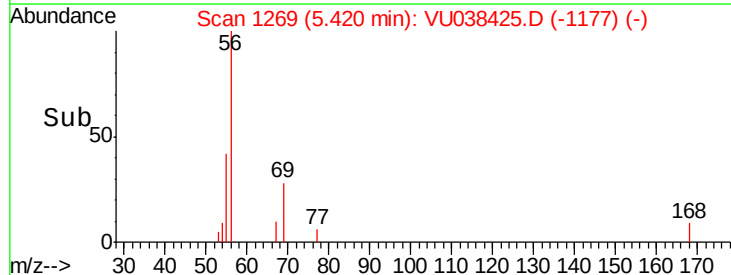
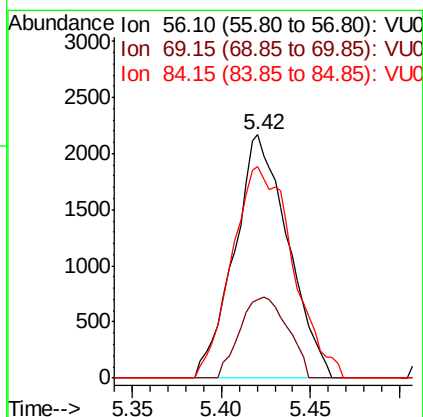
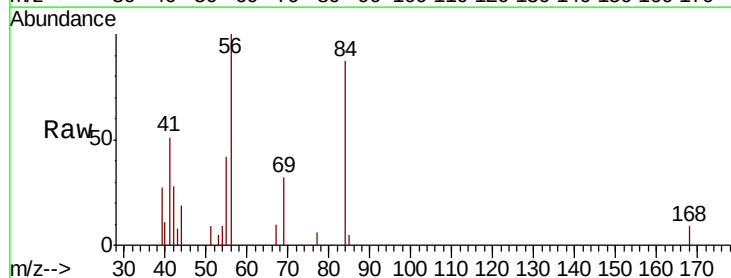
Instrument :
MSVOA_U
ClientSampled :

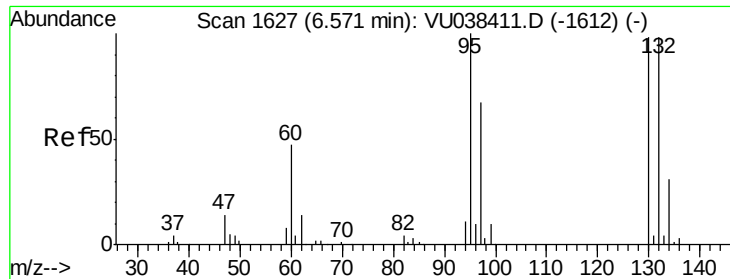
Tot Ion: 83 Resp: 47500
Ion Ratio Lower Upper
83 100
85 63.9 44.9 83.5



#30
Cyclohexane
Concen: 0.128 ug/L
RT: 5.42 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VU038425.D
Acq: 30 May 2020 19:52

Tgt Ion: 56 Resp: 4543
Ion Ratio Lower Upper
56 100
69 29.6 24.2 36.4
84 98.3 70.8 106.2





#34

Trichloroethene

Concen: 3.346 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038425.D

Acq: 30 May 2020 19:52

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 77734

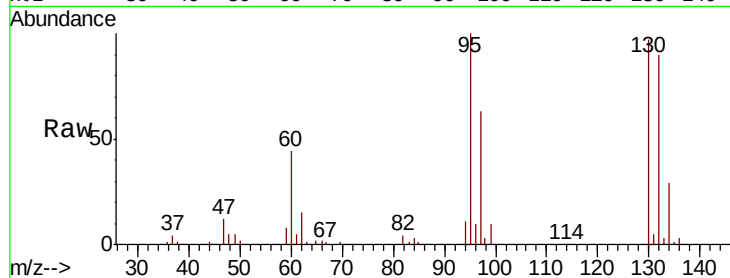
Ion Ratio Lower Upper

95 100

97 62.5 46.8 87.0

132 90.4 66.1 122.7

130 96.9 70.0 130.0

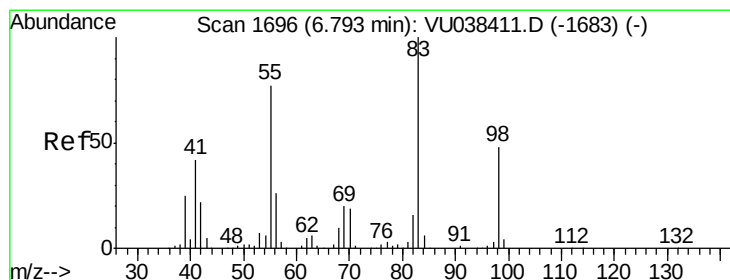
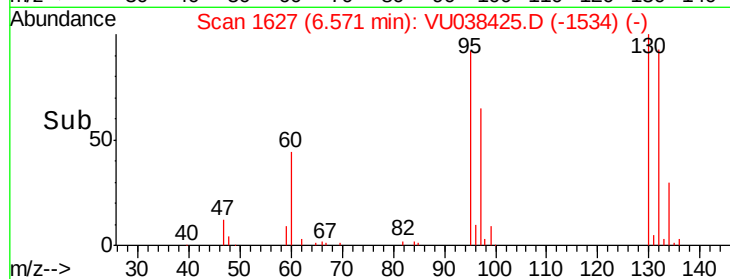
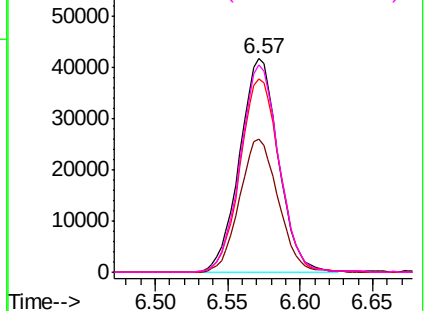


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.857 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.07 min

Lab File: VU038425.D

Acq: 30 May 2020 19:52

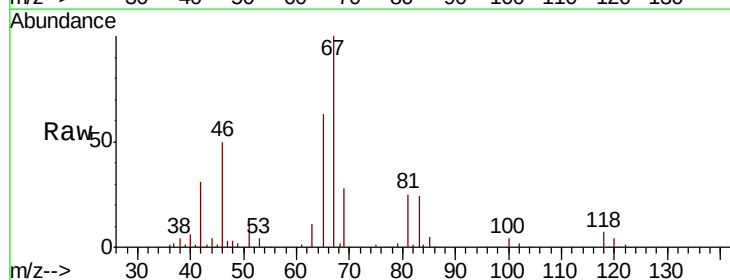
Tgt Ion: 83 Resp: 30818

Ion Ratio Lower Upper

83 100

55 0.4 63.4 95.2#

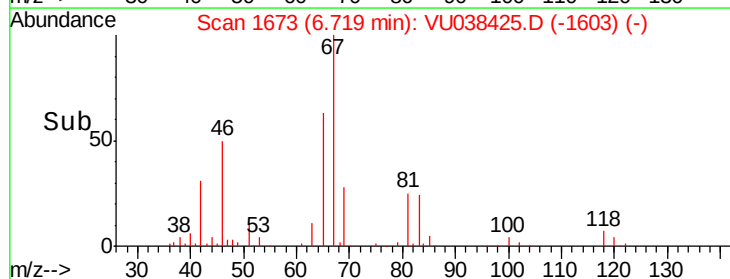
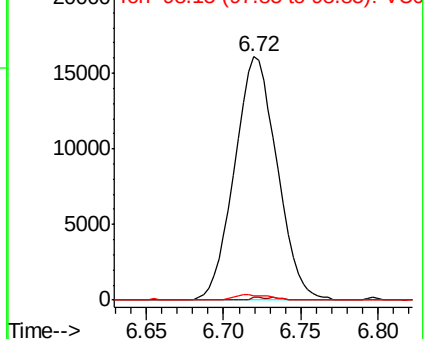
98 1.9 39.0 58.4#

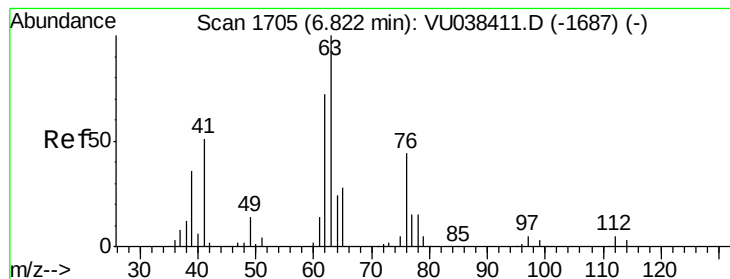


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.637 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.10 min

Lab File: VU038425.D

Acq: 30 May 2020 19:52

Instrument :

MSVOA_U

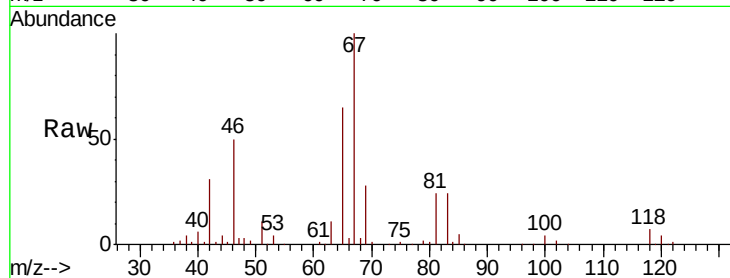
ClientSampleId :

Tot Ion: 63 Resp: 14353

Ion Ratio Lower Upper

63 100

112 0.0 3.7 5.5#



Abundance Ion 63.10 (62.80 to 63.80): VU038411.D (-1687) (-)

Ion 112.10 (111.80 to 112.80): VU038411.D (-1687) (-)

6.72

8000

6000

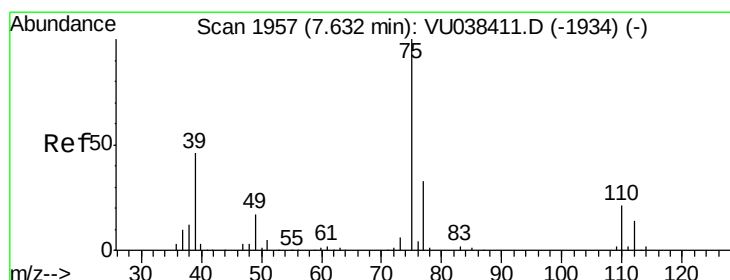
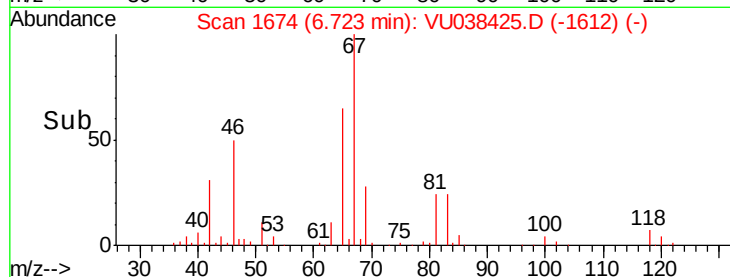
4000

2000

0

6.65 6.70 6.75

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.107 ug/L

RT: 7.59 min Scan# 1945

Delta R.T. -0.04 min

Lab File: VU038425.D

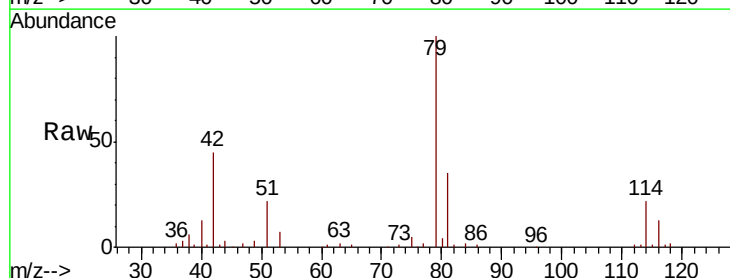
Acq: 30 May 2020 19:52

Tgt Ion: 75 Resp: 3557

Ion Ratio Lower Upper

75 100

77 46.0 21.9 40.7#



Abundance Ion 75.05 (74.75 to 75.75): VU038411.D (-1934) (-)

Ion 77.05 (76.75 to 77.75): VU038411.D (-1934) (-)

7.59

2500

2000

1500

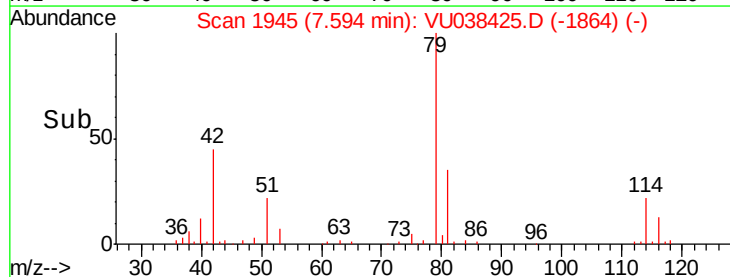
1000

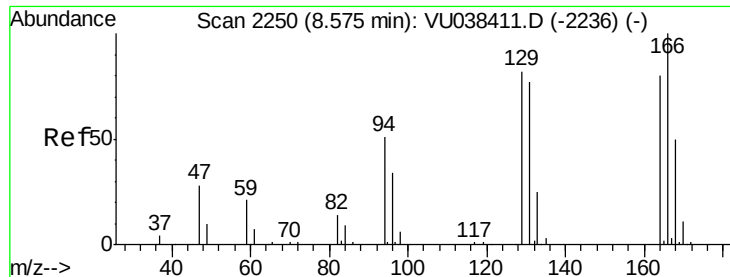
500

0

7.55 7.60 7.65

Time-->

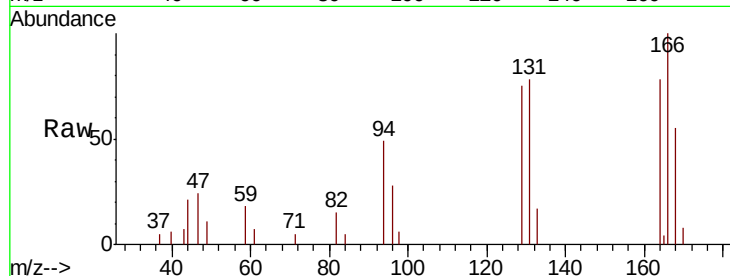




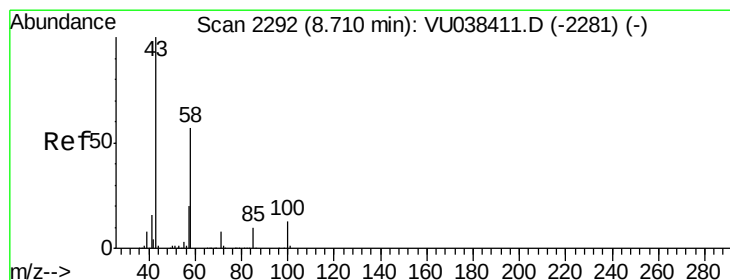
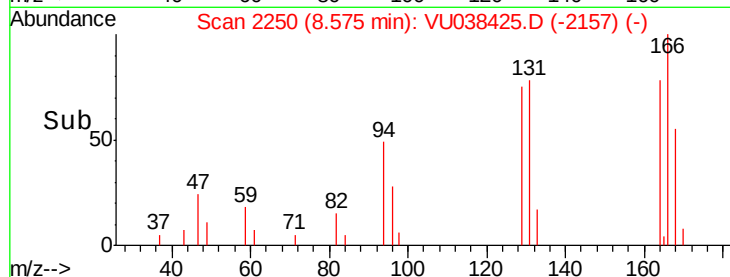
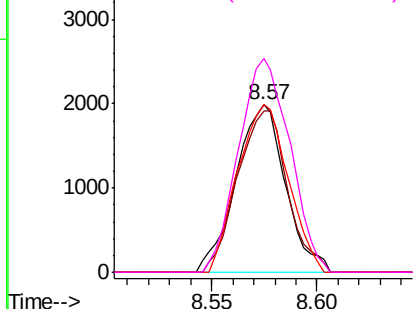
#47
Tetrachloroethene
Concen: 0.193 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.00 min
Lab File: VU038425.D
Acq: 30 May 2020 19:52

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 3258
Ion Ratio Lower Upper
164 100
129 96.2 67.4 125.2
131 100.0 64.1 119.1
166 127.8 85.7 159.1

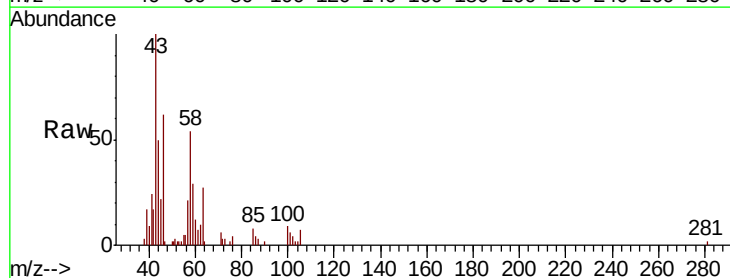


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

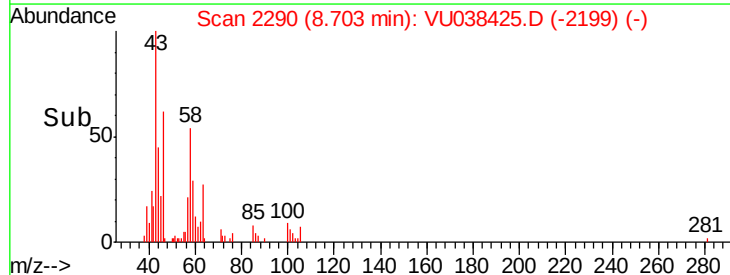
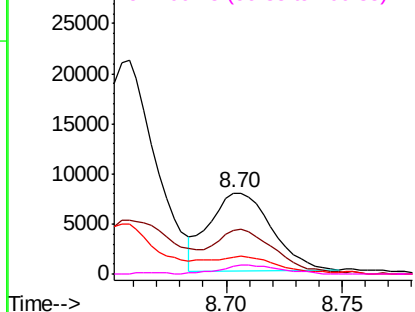


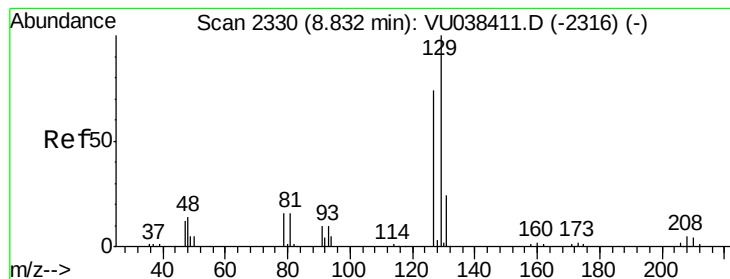
#48
2-Hexanone
Concen: 1.191 ug/L
RT: 8.70 min Scan# 2290
Delta R.T. -0.01 min
Lab File: VU038425.D
Acq: 30 May 2020 19:52

Tgt Ion: 43 Resp: 14522
Ion Ratio Lower Upper
43 100
58 58.2 45.4 68.0
57 17.6 15.9 23.9
100 10.8 10.5 15.7



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: 0.172 ug/L

RT: 8.58 min Scan# 2251

Delta R.T. -0.25 min

Lab File: VU038425.D

Acq: 30 May 2020 19:52

Instrument :

MSVOA_U

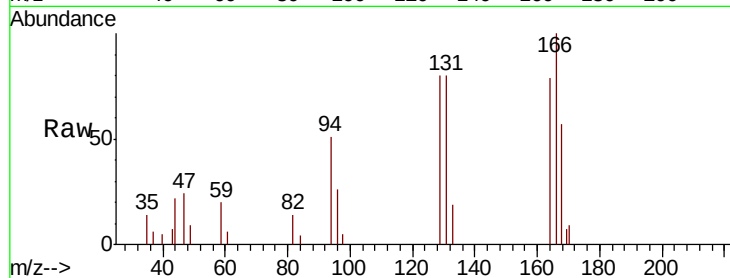
ClientSampled :

Tot Ion:129 Resp: 3146

Ion Ratio Lower Upper

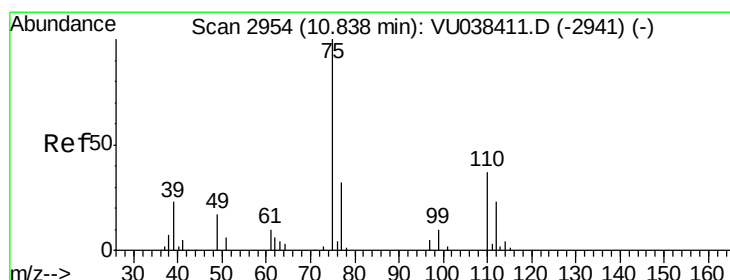
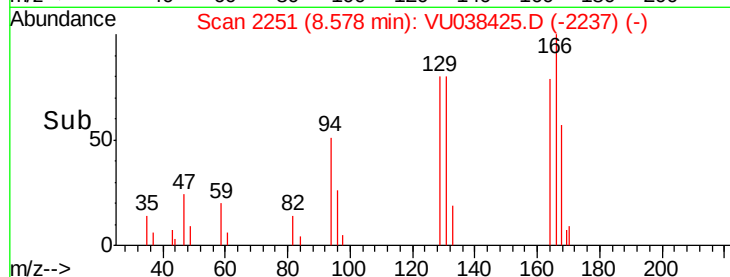
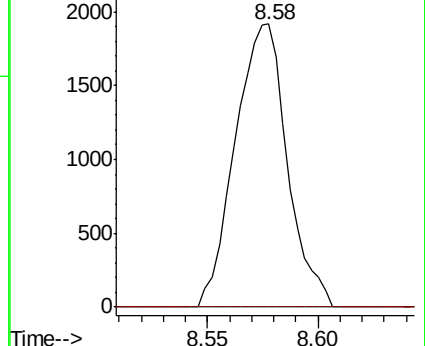
129 100

127 0.0 53.3 99.1#



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: 1.158 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.99 min

Lab File: VU038425.D

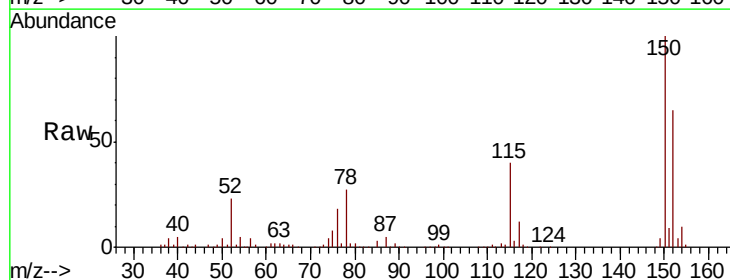
Acq: 30 May 2020 19:52

Tgt Ion: 75 Resp: 19466

Ion Ratio Lower Upper

75 100

77 35.3 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

