

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062920\
 Data File : VU039205.D
 Acq On : 29 Jun 2020 20:36
 Operator : SY/MD
 Sample : L3121-09
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9F38

Quant Time: Jun 30 01:40:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 30 01:35:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	225845	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.43	117	230067	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	99053	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	54247	2.62	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	52.40%
7) Chloroethane-d5	1.93	69	56754	3.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	69.20%
11) 1,1-Dichloroethene-d2	2.59	63	88249	2.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	45.60%#
20) 2-Butanone-d5	4.68	46	293072	46.29	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.58%
24) Chloroform-d	5.10	84	144059	3.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.20%
26) 1,2-Dichloroethane-d4	5.74	65	90840	3.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.40%
32) Benzene-d6	5.76	84	260395	3.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	72.60%
36) 1,2-Dichloropropane-d6	6.72	67	88997	3.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	77.80%
41) Toluene-d8	7.92	98	198619	3.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	63.20%#
43) trans-1,3-Dichloropropene-	8.20	79	28994	2.72	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	54.40%#
46) 2-Hexanone-d5	8.65	63	221120	45.61	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.22%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	80032	3.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	75.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	81962	3.94	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	78.80%#

Target Compounds

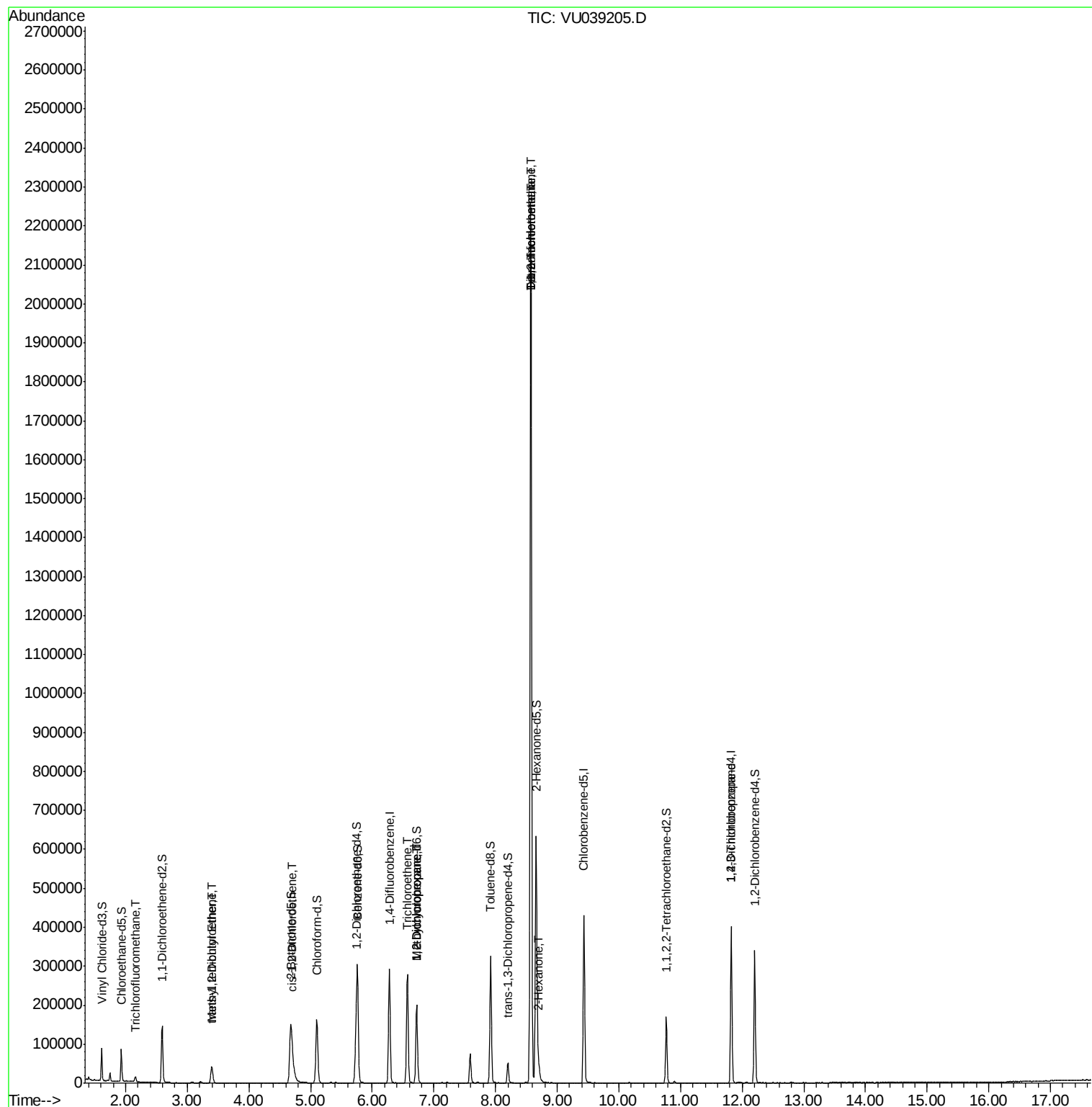
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	2.16	101	7369	0.239	ug/L	98
17) Methyl tert-butyl Ether	3.40	73	40927	0.912	ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	1605	0.091	ug/L	83
22) cis-1,2-Dichloroethene	4.71	96	3108	0.175	ug/L	99
34) Trichloroethene	6.57	95	90058	4.752	ug/L	96
35) Methylcyclohexane	6.72	83	20860	0.738	ug/L #	17
37) 1,2-Dichloropropane	6.72	63	10784	0.548	ug/L #	87
45) 1,1,2-Trichloroethane	8.57	97	4721	0.324	ug/L #	1
47) Tetrachloroethene	8.57	164	470022	34.474	ug/L	98
48) 2-Hexanone	8.70	43	15642	1.442	ug/L #	84
49) Dibromochloromethane	8.57	129	454474	27.072	ug/L #	11
59) 1,2,3-Trichloropropane	11.83	75	13279	0.897	ug/L #	85

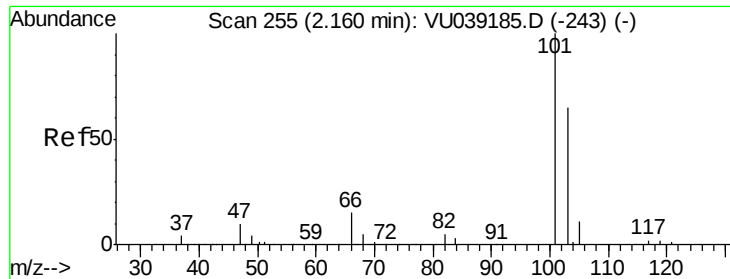
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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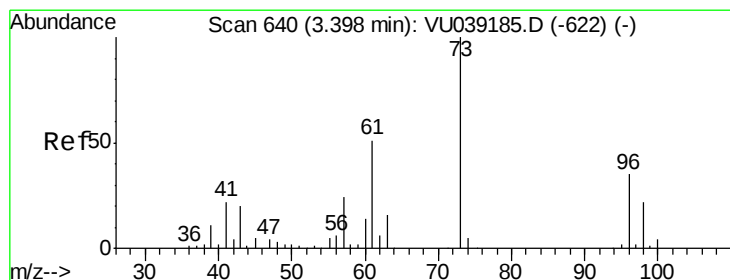
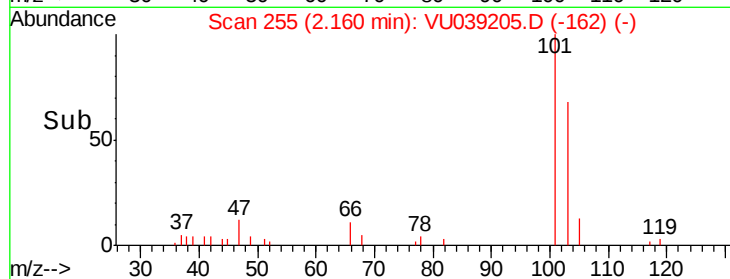
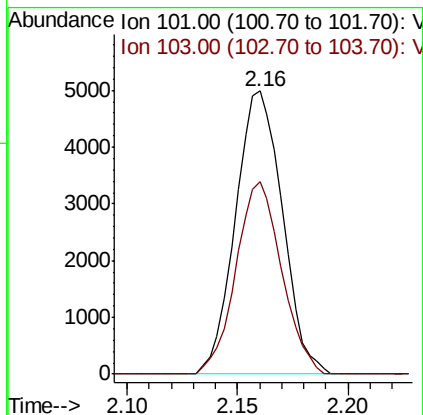
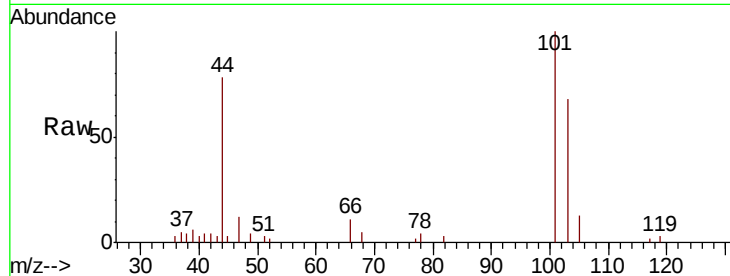


#9

Trichlorofluoromethane
 Concen: 0.239 ug/L
 RT: 2.16 min Scan# 255
 Delta R.T. 0.00 min
 Lab File: VU039205.D
 Acq: 29 Jun 2020 20:36

Instrument :
 MSVOA_U
 ClientSampled :
 F9F38

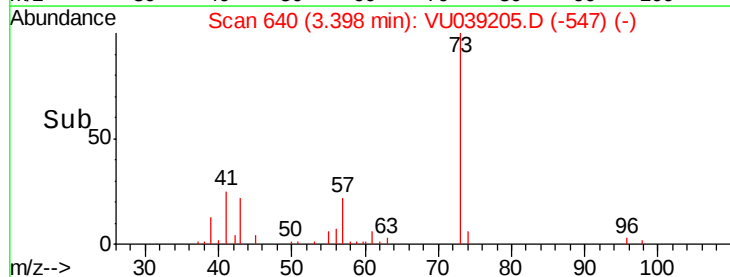
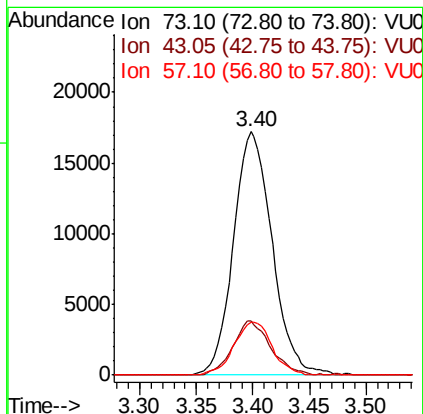
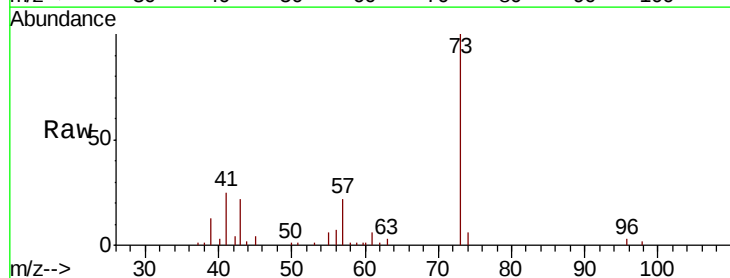
Tot Ion:101 Resp: 7369
 Ion Ratio Lower Upper
 101 100
 103 66.2 51.7 77.5

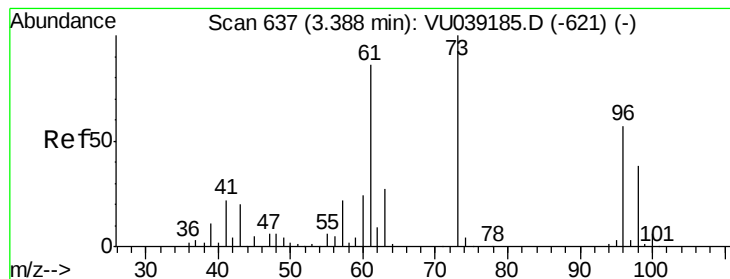


#17

Methyl tert-butyl Ether
 Concen: 0.912 ug/L
 RT: 3.40 min Scan# 640
 Delta R.T. 0.00 min
 Lab File: VU039205.D
 Acq: 29 Jun 2020 20:36

Tgt Ion: 73 Resp: 40927
 Ion Ratio Lower Upper
 73 100
 43 21.7 17.4 26.0
 57 21.5 17.9 26.9





#18

trans-1,2-Dichloroethene

Concen: 0.091 ug/L

RT: 3.39 min Scan# 636

Delta R.T. -0.00 min

Lab File: VU039205.D

Acq: 29 Jun 2020 20:36

Instrument :

MSVOA_U

ClientSampleId :

F9F38

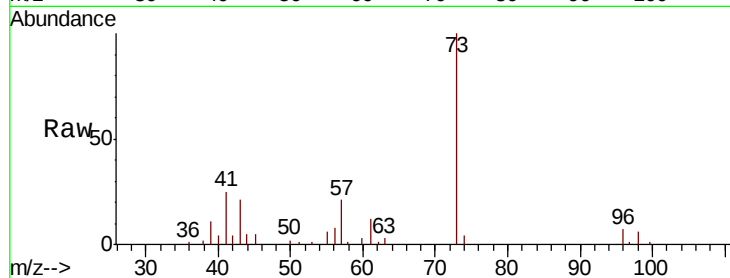
Tot Ion: 96 Resp: 1605

Ion Ratio Lower Upper

96 100

61 163.4 100.5 186.7

98 79.6 44.7 83.1

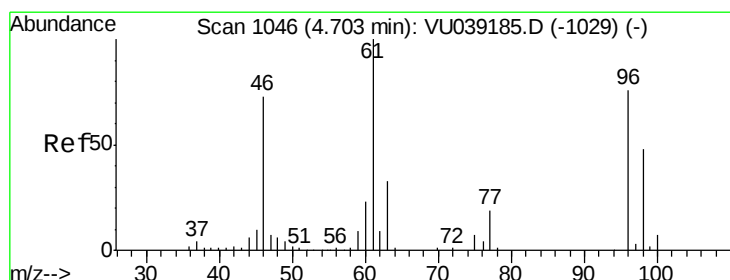
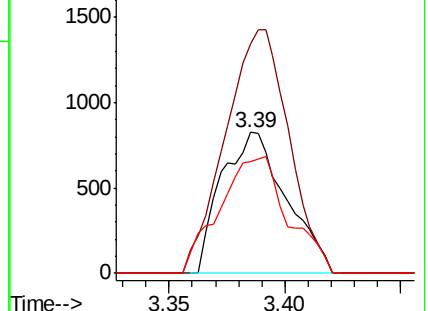
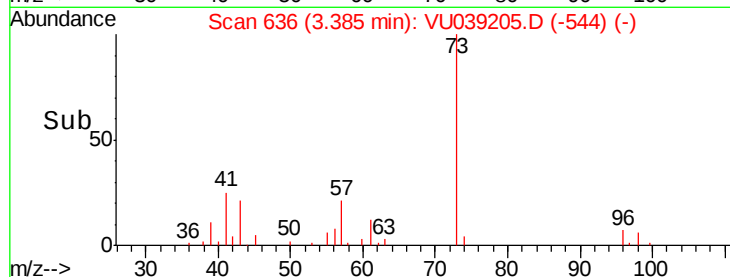


Abundance Ion 96.00 (95.70 to 96.70): VU039205.D (-544) (-)

Ion 61.05 (60.75 to 61.75): VU039205.D (-544) (-)

Ion 97.95 (97.65 to 98.65): VU039205.D (-544) (-)

Time-->



#22

cis-1,2-Dichloroethene

Concen: 0.175 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU039205.D

Acq: 29 Jun 2020 20:36

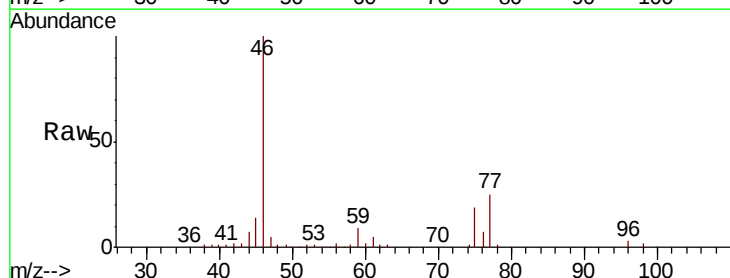
Tgt Ion: 96 Resp: 3108

Ion Ratio Lower Upper

96 100

61 135.9 96.3 178.9

68 0.0 0.0 0.0

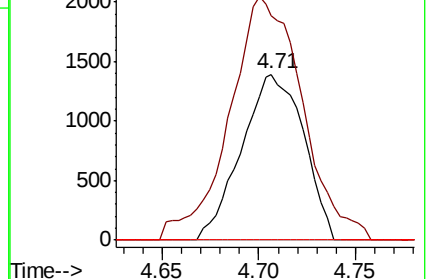
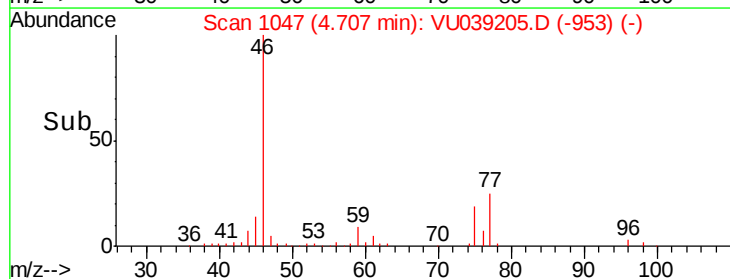


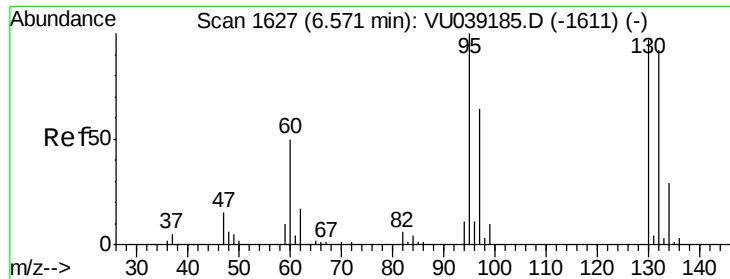
Abundance Ion 96.00 (95.70 to 96.70): VU039205.D (-953) (-)

Ion 61.05 (60.75 to 61.75): VU039205.D (-953) (-)

Ion 68.15 (67.85 to 68.85): VU039205.D (-953) (-)

Time-->





#34

Trichloroethene

Concen: 4.752 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU039205.D

Acq: 29 Jun 2020 20:36

Instrument :

MSVOA_U

ClientSampleId :

F9F38

Tot Ion: 95 Resp: 90058

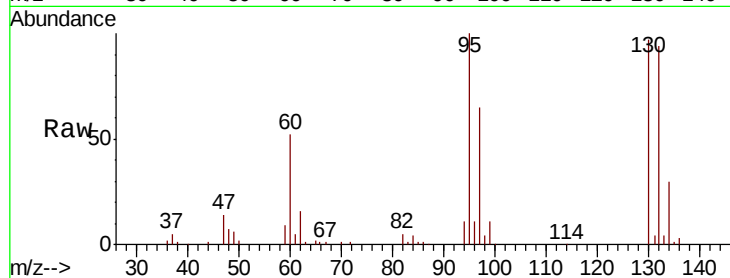
Ion Ratio Lower Upper

95 100

97 64.6 44.0 81.8

132 94.0 61.2 113.8

130 96.7 66.4 123.4

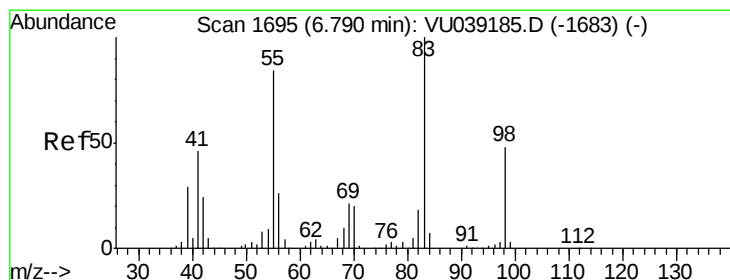
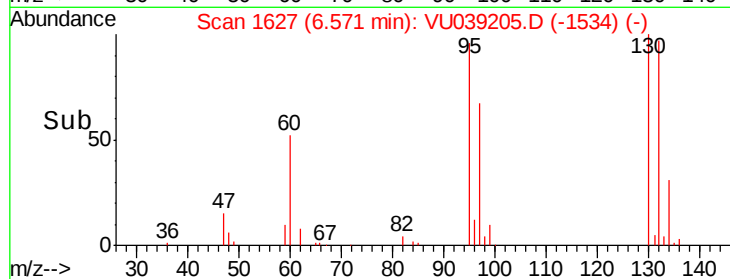
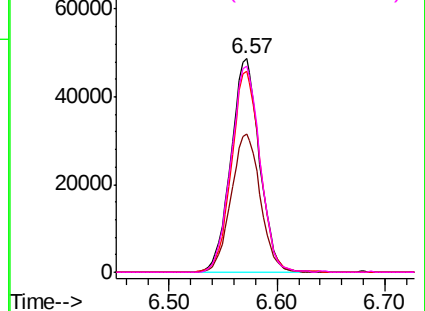


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.738 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.07 min

Lab File: VU039205.D

Acq: 29 Jun 2020 20:36

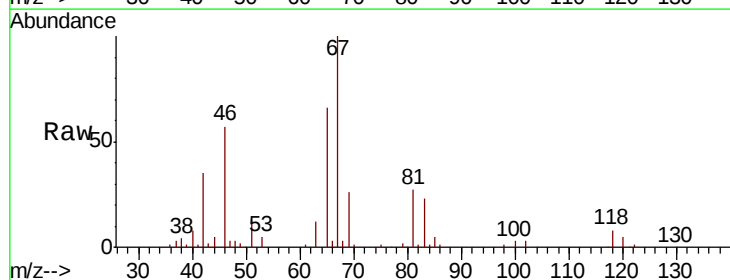
Tgt Ion: 83 Resp: 20860

Ion Ratio Lower Upper

83 100

55 0.2 65.5 98.3#

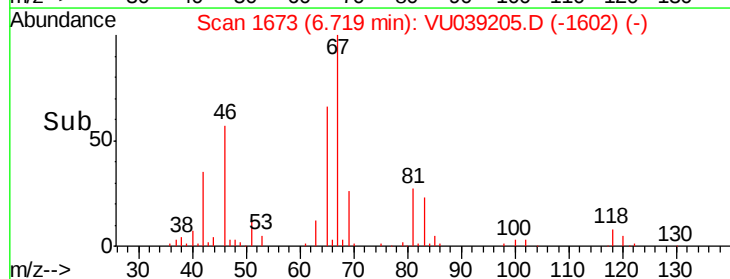
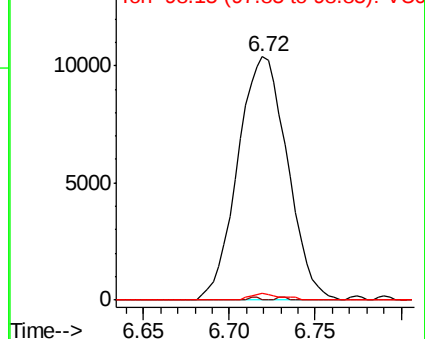
98 1.7 38.2 57.4#

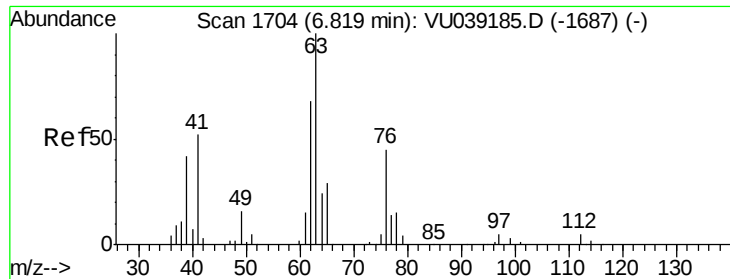


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.548 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.10 min

Lab File: VU039205.D

Acq: 29 Jun 2020 20:36

Instrument :

MSVOA_U

ClientSampleId :

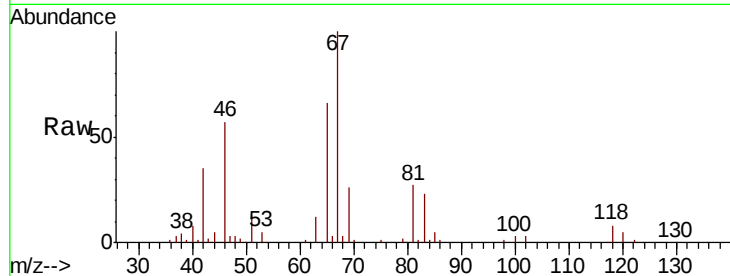
F9F38

Tot Ion: 63 Resp: 10784

Ion Ratio Lower Upper

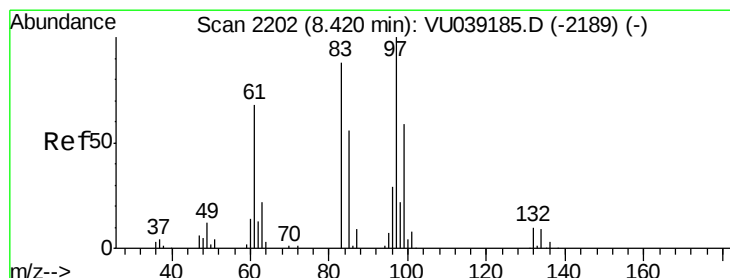
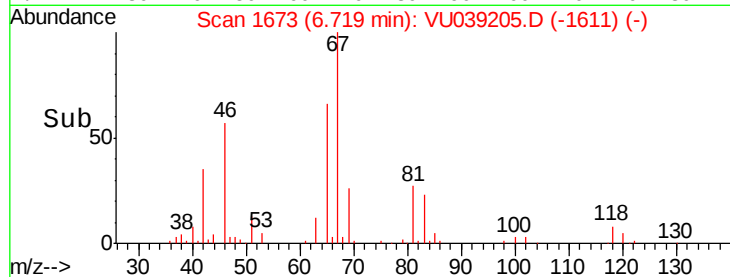
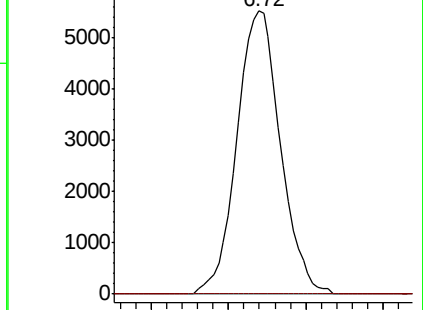
63 100

112 0.0 3.4 5.2#



Abundance Ion 63.10 (62.80 to 63.80): VU039205.D (-1611) (-)

Ion 112.10 (111.80 to 112.80): VU039205.D (-1611) (-)



#45

1,1,2-Trichloroethane

Concen: 0.324 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. 0.15 min

Lab File: VU039205.D

Acq: 29 Jun 2020 20:36

Tgt Ion: 97 Resp: 4721

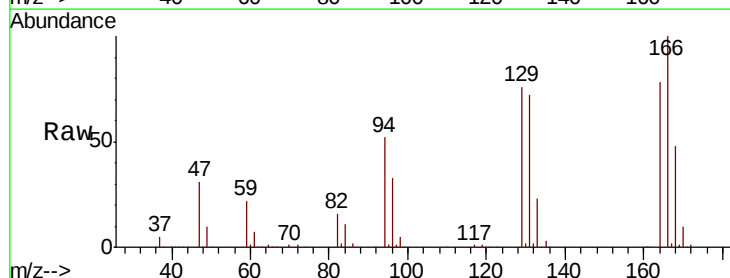
Ion Ratio Lower Upper

97 100

99 14.6 43.5 80.7#

83 258.9 59.1 109.9#

85 27.6 39.3 73.1#

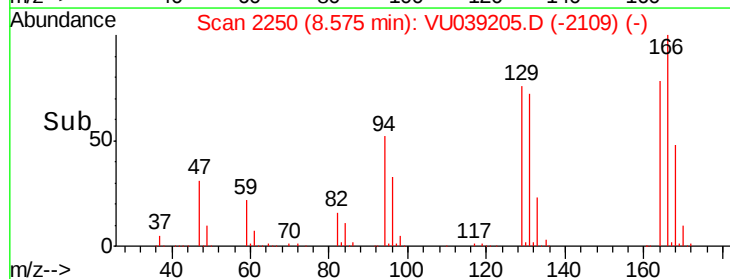
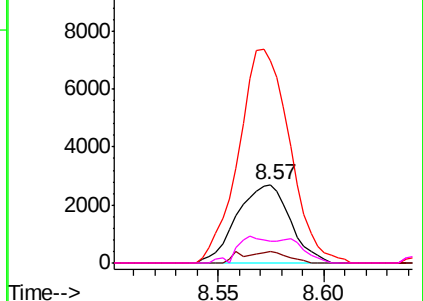


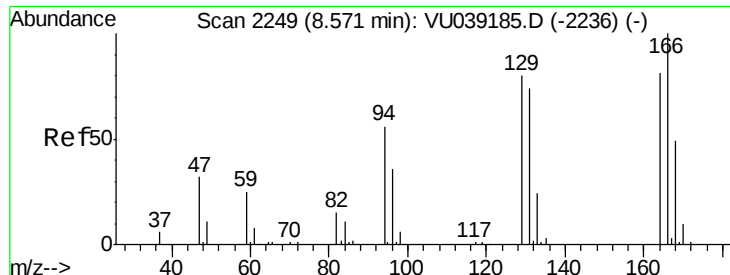
Abundance Ion 96.95 (96.65 to 97.65): VU039205.D (-2109) (-)

Ion 99.05 (98.75 to 99.75): VU039205.D (-2109) (-)

Ion 82.95 (82.65 to 83.65): VU039205.D (-2109) (-)

Ion 85.00 (84.70 to 85.70): VU039205.D (-2109) (-)





#47

Tetrachloroethene

Concen: 34.474 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. 0.00 min

Lab File: VU039205.D

Acq: 29 Jun 2020 20:36

Instrument :

MSVOA_U

ClientSampleId :

F9F38

Tot Ion:164 Resp: 470022

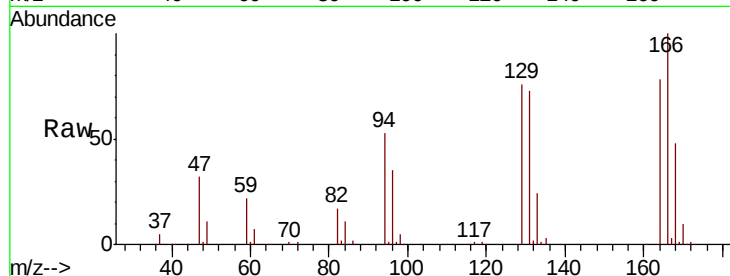
Ion Ratio Lower Upper

164 100

129 97.5 67.6 125.6

131 93.8 66.1 122.7

166 128.0 86.8 161.2

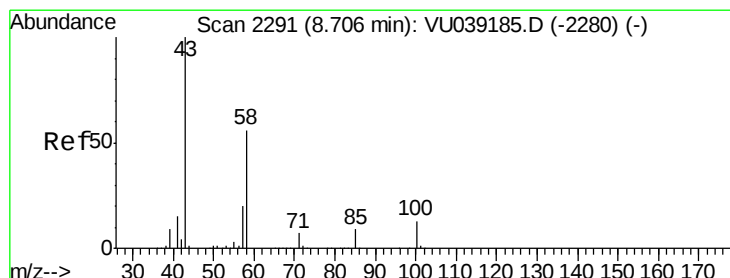
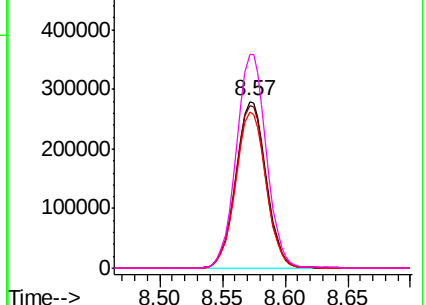
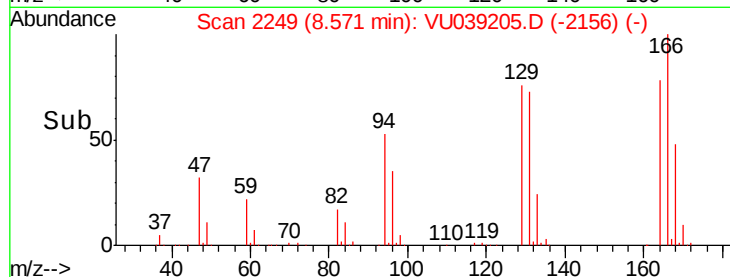


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.442 ug/L

RT: 8.70 min Scan# 2290

Delta R.T. -0.00 min

Lab File: VU039205.D

Acq: 29 Jun 2020 20:36

Tgt Ion: 43 Resp: 15642

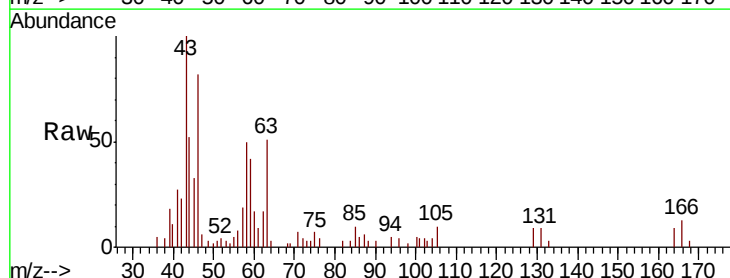
Ion Ratio Lower Upper

43 100

58 40.1 43.6 65.4#

57 15.3 15.6 23.4#

100 7.6 9.4 14.2#

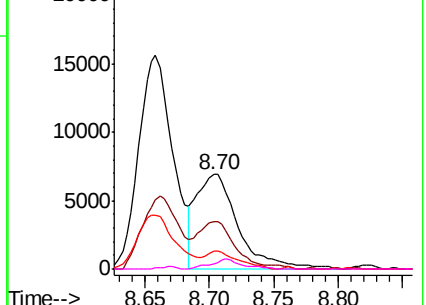
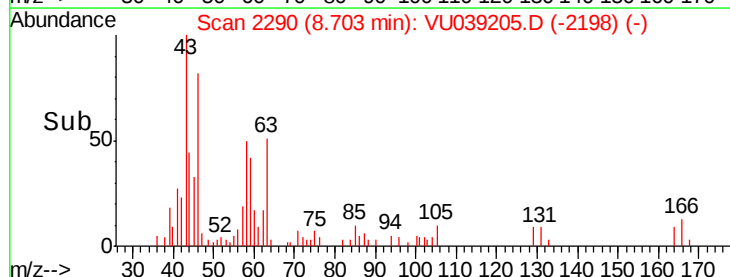


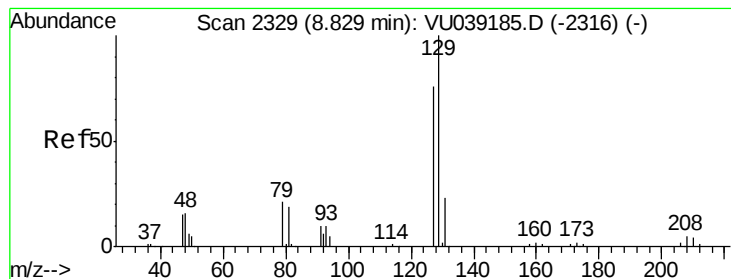
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 27.072 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.26 min

Lab File: VU039205.D

Acq: 29 Jun 2020 20:36

Instrument :

MSVOA_U

ClientSampleId :

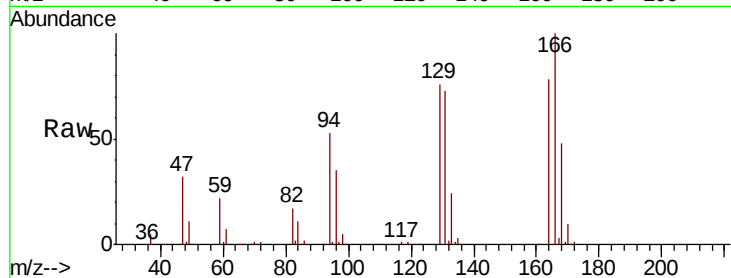
F9F38

Tot Ion:129 Resp: 454474

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.3#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.57

300000

250000

200000

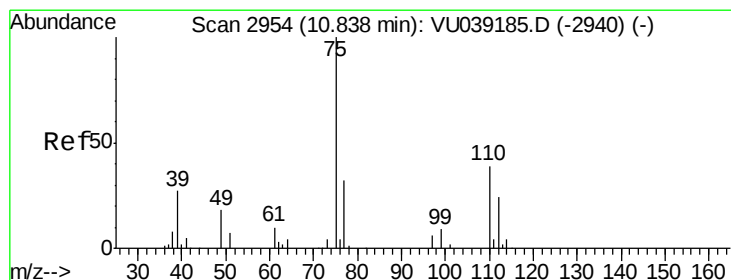
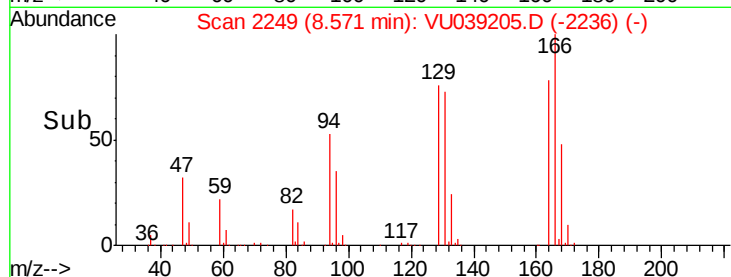
150000

100000

50000

0

Time--> 8.50 8.55 8.60 8.65



#59

1,2,3-Trichloropropane

Concen: 0.897 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.99 min

Lab File: VU039205.D

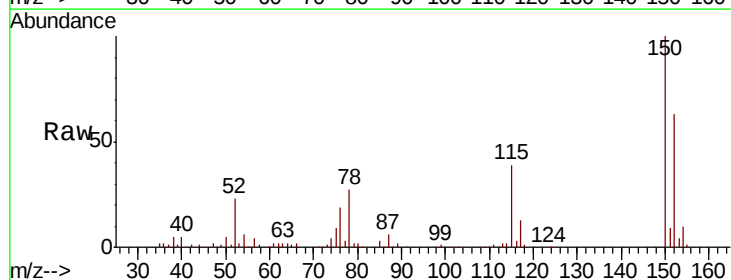
Acq: 29 Jun 2020 20:36

Tgt Ion: 75 Resp: 13279

Ion Ratio Lower Upper

75 100

77 40.2 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.83

10000

8000

6000

4000

2000

0

Time--> 11.75 11.80 11.85

