

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070620\
 Data File : VU039294.D
 Acq On : 06 Jul 2020 16:24
 Operator : SY/MD
 Sample : L3193-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4280

Quant Time: Jul 07 01:20:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jul 07 01:17:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	119973	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	111525	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	52851	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	46871	5.08	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.60%
7) Chloroethane-d5	1.92	69	39532	4.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.60%
11) 1,1-Dichloroethene-d2	2.58	63	66198	3.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.20%
20) 2-Butanone-d5	4.67	46	176199	50.67	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.34%
24) Chloroform-d	5.09	84	84422	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
26) 1,2-Dichloroethane-d4	5.72	65	52203	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
32) Benzene-d6	5.74	84	170251	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
36) 1,2-Dichloropropane-d6	6.71	67	55168	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.80%
41) Toluene-d8	7.91	98	150312	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
43) trans-1,3-Dichloropropene-	8.19	79	21809	4.14	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.80%
46) 2-Hexanone-d5	8.65	63	142497	51.27	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.54%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	51856	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	57734	4.84	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	185614	20.766	ug/L	100
8) Chloroethane	1.91	64	1703	0.278	ug/L #	54
12) 1,1-Dichloroethene	2.59	96	662	0.097	ug/L #	1
13) Acetone	2.69	43	1407	0.855	ug/L	68
14) Carbon disulfide	2.81	76	3249	0.150	ug/L	99
16) Methylene chloride	3.07	84	841	0.097	ug/L	96
18) trans-1,2-Dichloroethene	3.37	96	5474	0.741	ug/L	90
19) 1,1-Dichloroethane	3.90	63	2512	0.170	ug/L #	81
22) cis-1,2-Dichloroethene	4.69	96	116960	13.892	ug/L	95
30) Cyclohexane	5.41	56	2016	0.157	ug/L #	90
33) Benzene	5.79	78	6149	0.196	ug/L	100
35) Methylcyclohexane	6.71	83	12570	0.969	ug/L #	19
37) 1,2-Dichloropropane	6.70	63	6350	0.724	ug/L #	90
39) cis-1,3-Dichloropropene	7.58	75	1843	0.135	ug/L #	48
59) 1,2,3-Trichloropropane	11.81	75	8133	1.234	ug/L	95

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jul 07 01:17:04 2020
Response via : Initial Calibration

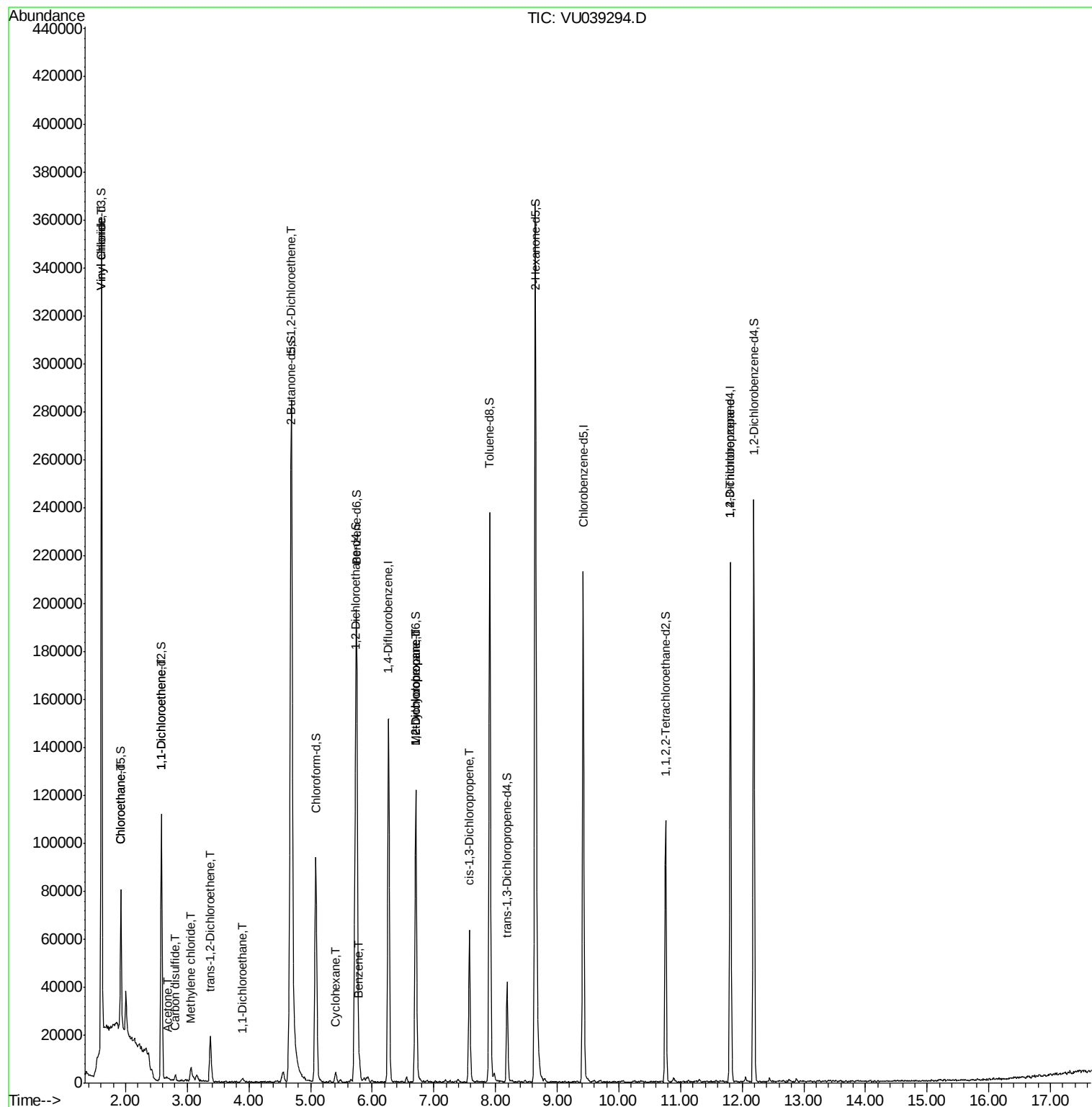
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

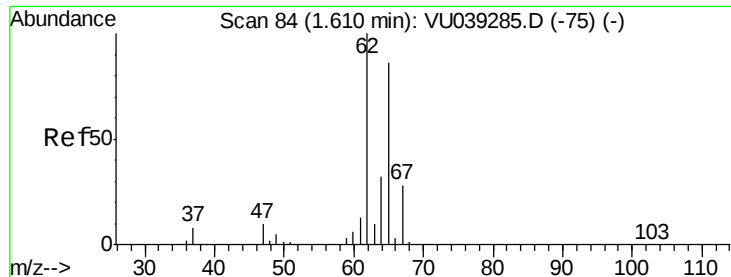
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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QLast Update : Tue Jul 07 01:17:04 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 20.766 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039294.D

Acq: 06 Jul 2020 16:24

Instrument :

MSVOA_U

ClientSampleId :

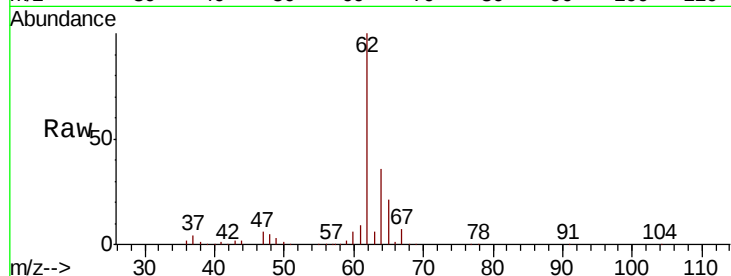
H4280

Tot Ion: 62 Resp: 185614

Ion Ratio Lower Upper

62 100

64 36.3 25.6 47.4



Abundance Ion 62.00 (61.70 to 62.70): VU039285.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU039294.D (-95) (-)

1.61

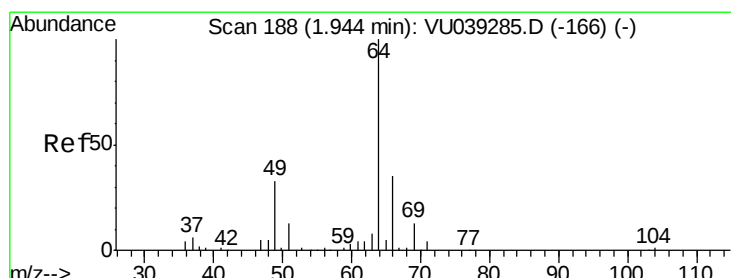
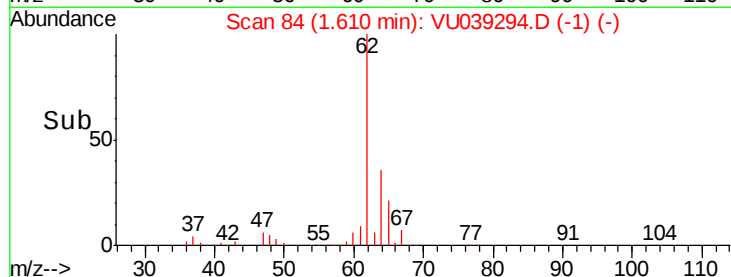
150000

100000

50000

0

Time-->



#8

Chloroethane

Concen: 0.278 ug/L

RT: 1.91 min Scan# 178

Delta R.T. -0.03 min

Lab File: VU039294.D

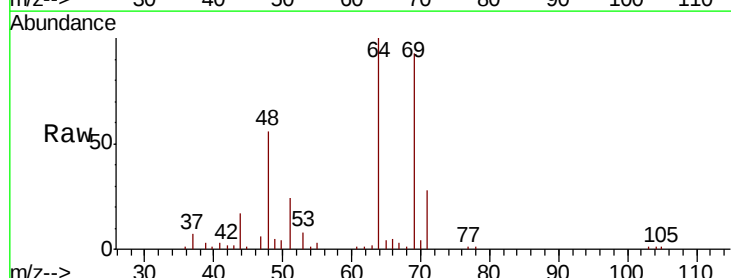
Acq: 06 Jul 2020 16:24

Tgt Ion: 64 Resp: 1703

Ion Ratio Lower Upper

64 100

66 4.7 20.7 38.5#



Abundance Ion 64.10 (63.80 to 64.80): VU039285.D (-166) (-)

Ion 66.05 (65.75 to 66.75): VU039294.D (-95) (-)

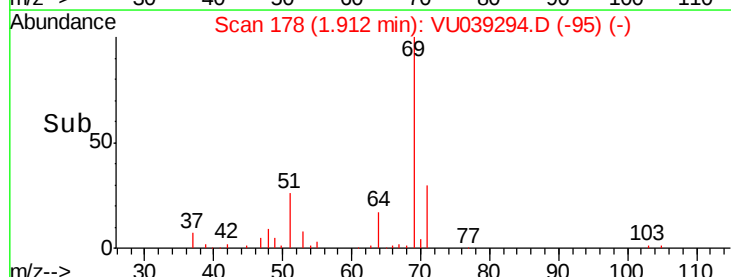
1.91

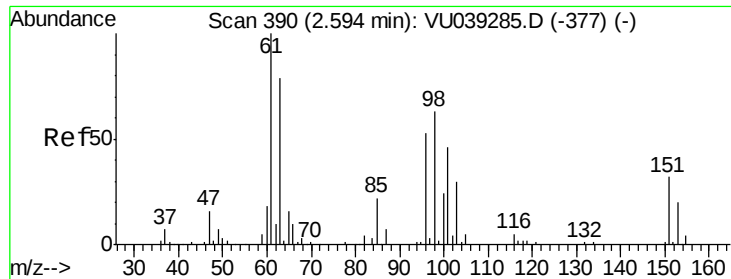
10000

5000

0

Time-->





#12

1,1-Dichloroethene

Concen: 0.097 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.01 min

Lab File: VU039294.D

Acq: 06 Jul 2020 16:24

Instrument :

MSVOA_U

ClientSampleId :

H4280

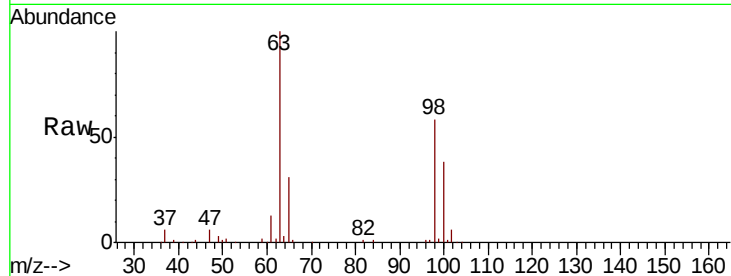
Tot Ion: 96 Resp: 662

Ion Ratio Lower Upper

96 100

61 1277.8 123.8 230.0#

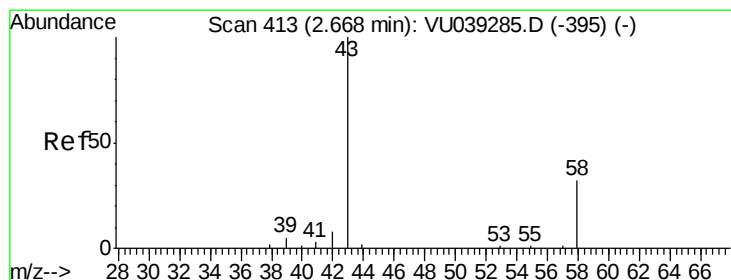
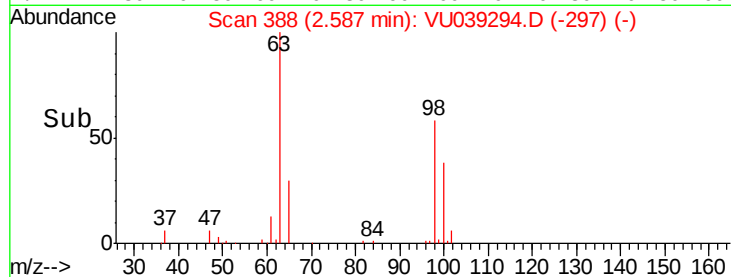
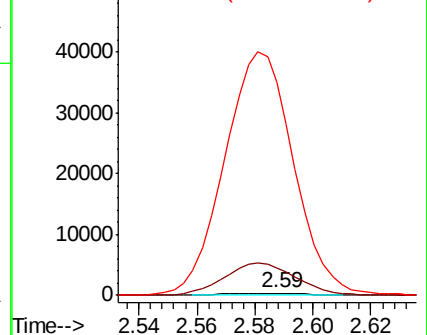
63 9847.2 112.1 208.3#



Abundance Ion 96.00 (95.70 to 96.70): VU039285.D (-377) (-)

Ion 61.05 (60.75 to 61.75): VU039285.D (-377) (-)

Ion 63.00 (62.70 to 63.70): VU039285.D (-377) (-)



#13

Acetone

Concen: 0.855 ug/L

RT: 2.69 min Scan# 419

Delta R.T. 0.02 min

Lab File: VU039294.D

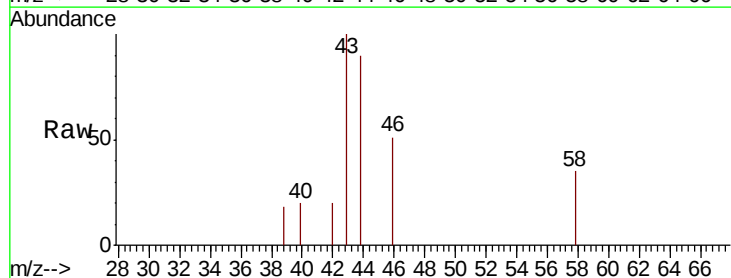
Acq: 06 Jul 2020 16:24

Tgt Ion: 43 Resp: 1407

Ion Ratio Lower Upper

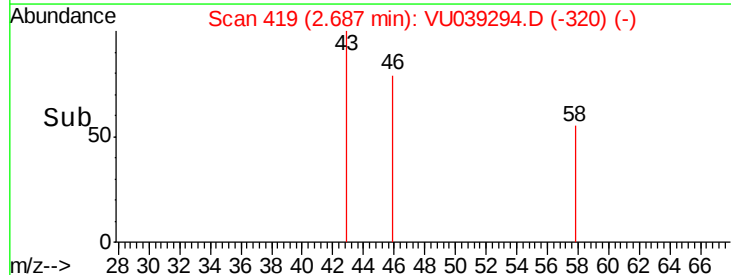
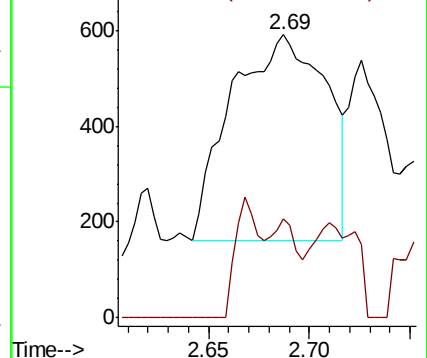
43 100

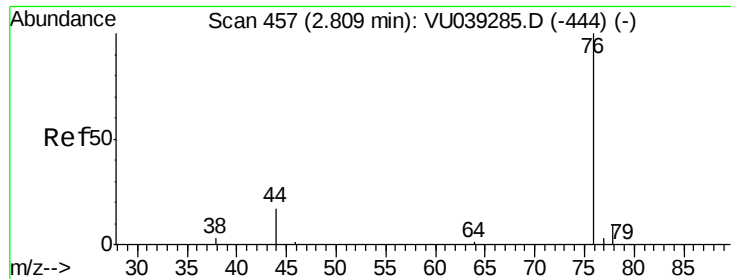
58 13.9 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU039285.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VU039285.D (-395) (-)





#14

Carbon disulfide

Concen: 0.150 ug/L

RT: 2.81 min Scan# 457

Delta R.T. -0.00 min

Lab File: VU039294.D

Acq: 06 Jul 2020 16:24

Instrument :

MSVOA_U

ClientSampleId :

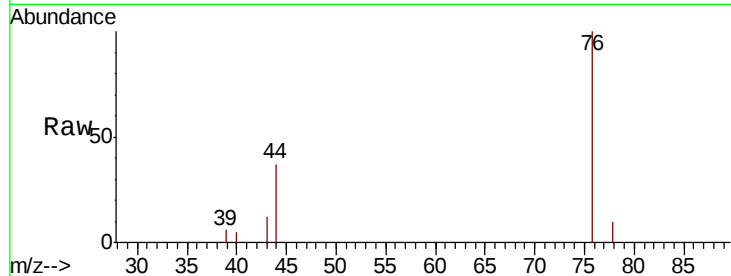
H4280

Tot Ion: 76 Resp: 3249

Ion Ratio Lower Upper

76 100

78 9.7 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU039285.D (-444) (-)

Ion 78.00 (77.70 to 78.70): VU039285.D (-444) (-)

2.81

2000

1500

1000

500

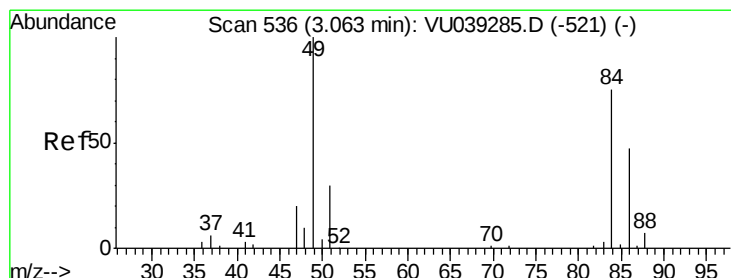
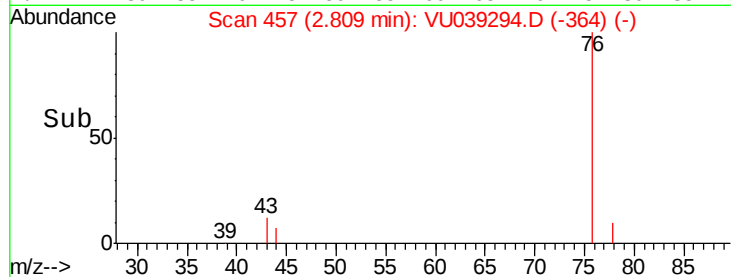
0

2.75

2.80

2.85

Time-->



#16

Methylene chloride

Concen: 0.097 ug/L

RT: 3.07 min Scan# 537

Delta R.T. 0.00 min

Lab File: VU039294.D

Acq: 06 Jul 2020 16:24

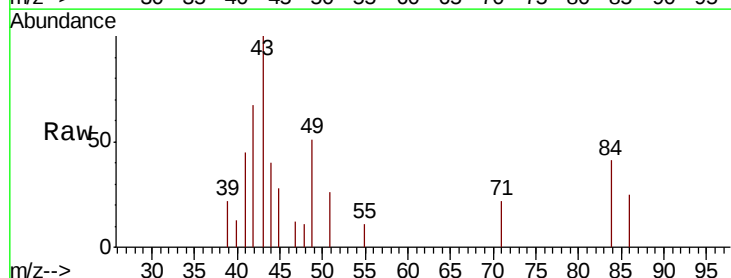
Tgt Ion: 84 Resp: 841

Ion Ratio Lower Upper

84 100

86 60.5 42.6 79.0

49 125.4 93.0 172.8



Abundance Ion 84.05 (83.75 to 84.75): VU039285.D (-521) (-)

Ion 86.00 (85.70 to 86.70): VU039285.D (-521) (-)

Ion 49.10 (48.80 to 49.80): VU039285.D (-521) (-)

800

600

400

200

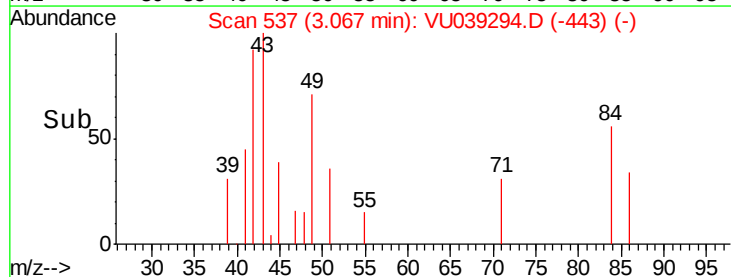
0

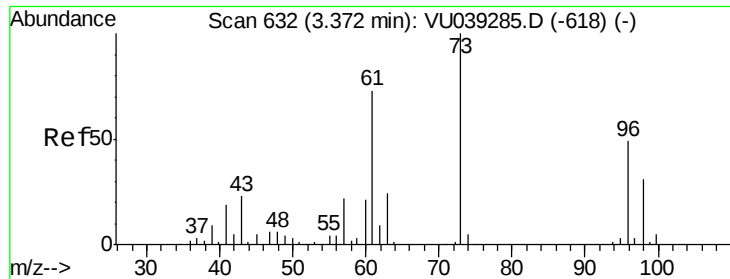
3.05

3.07

3.10

Time-->

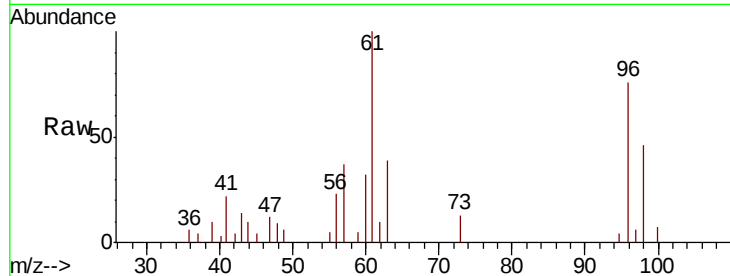




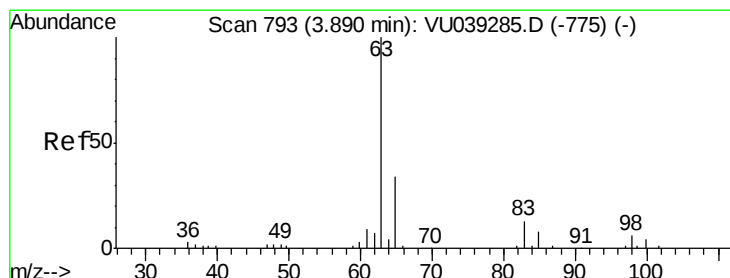
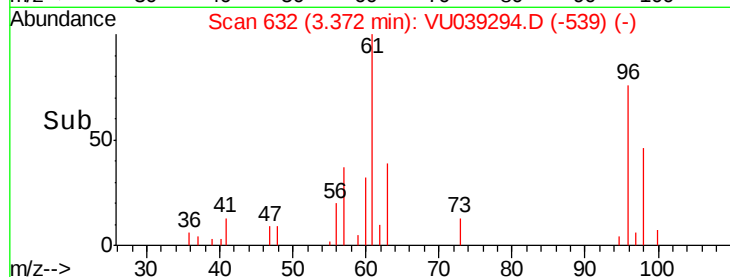
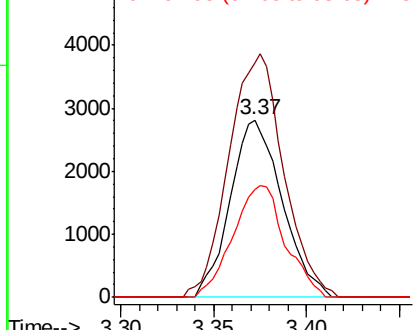
#18
trans-1,2-Dichloroethene
Concen: 0.741 ug/L
RT: 3.37 min Scan# 632
Delta R.T. -0.00 min
Lab File: VU039294.D
Acq: 06 Jul 2020 16:24

Instrument :
MSVOA_U
ClientSampleId :
H4280

Tot Ion: 96 Resp: 5474
Ion Ratio Lower Upper
96 100
61 132.2 104.7 194.5
98 61.1 43.1 80.1

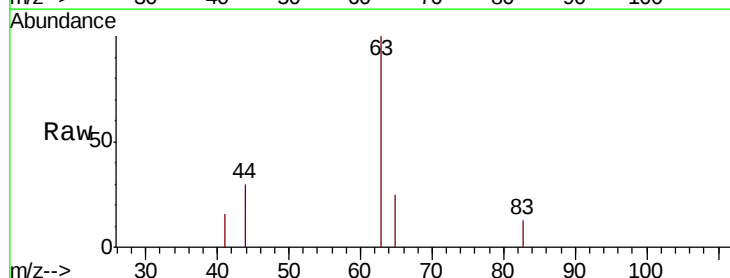


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

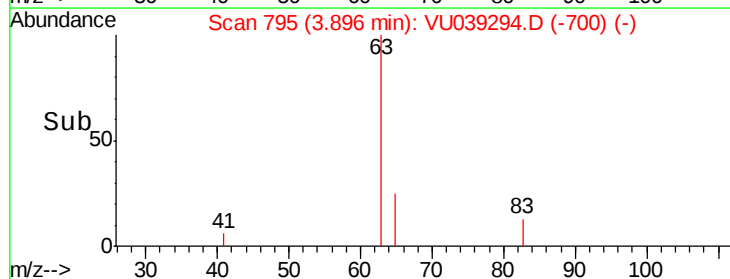
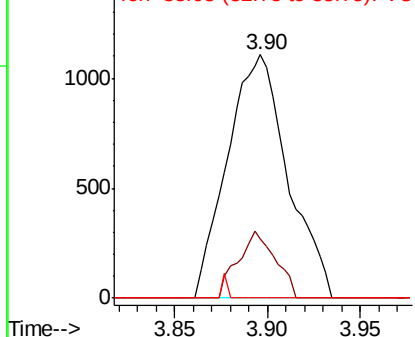


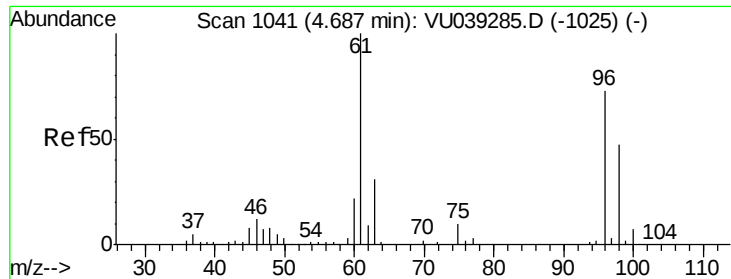
#19
1,1-Dichloroethane
Concen: 0.170 ug/L
RT: 3.90 min Scan# 795
Delta R.T. 0.01 min
Lab File: VU039294.D
Acq: 06 Jul 2020 16:24

Tgt Ion: 63 Resp: 2512
Ion Ratio Lower Upper
63 100
65 24.5 22.7 42.3
83 0.0 9.1 16.9#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 65.10 (64.80 to 65.80): VU0
Ion 83.05 (82.75 to 83.75): VU0





#22

cis-1,2-Dichloroethene

Concen: 13.892 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU039294.D

Acq: 06 Jul 2020 16:24

Instrument :

MSVOA_U

ClientSampleId :

H4280

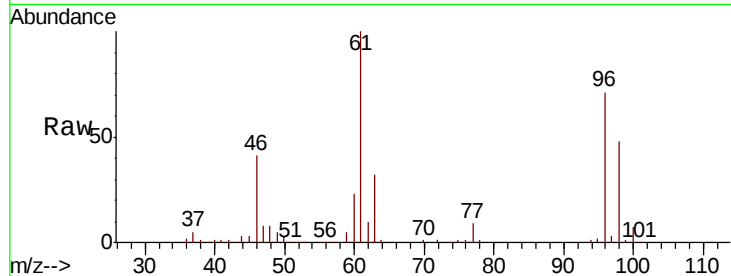
Tot Ion: 96 Resp: 116960

Ion Ratio Lower Upper

96 100

61 140.2 93.7 173.9

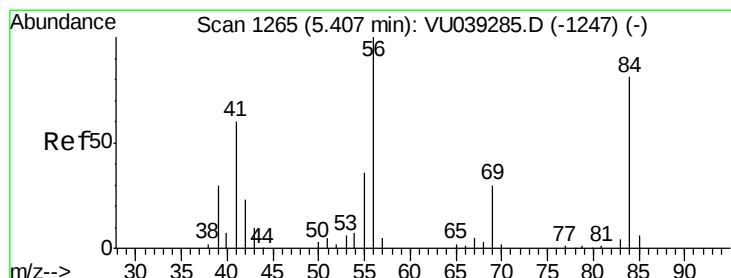
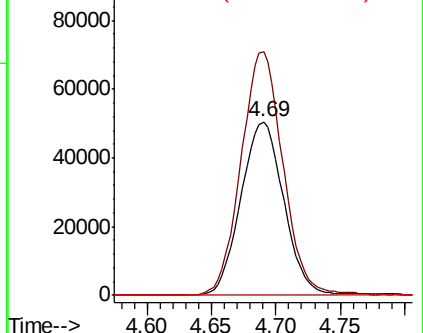
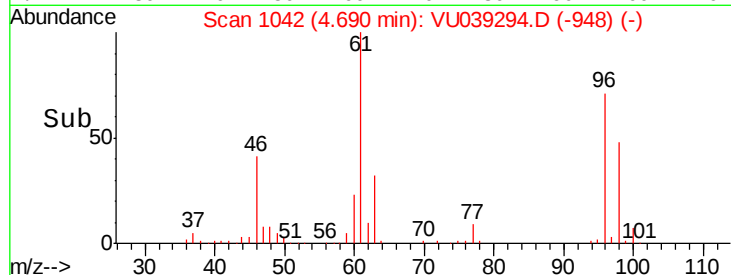
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039294.D (-948) (-)

Ion 61.05 (60.75 to 61.75): VU039294.D (-948) (-)

Ion 68.15 (67.85 to 68.85): VU039294.D (-948) (-)



#30

Cyclohexane

Concen: 0.157 ug/L

RT: 5.41 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VU039294.D

Acq: 06 Jul 2020 16:24

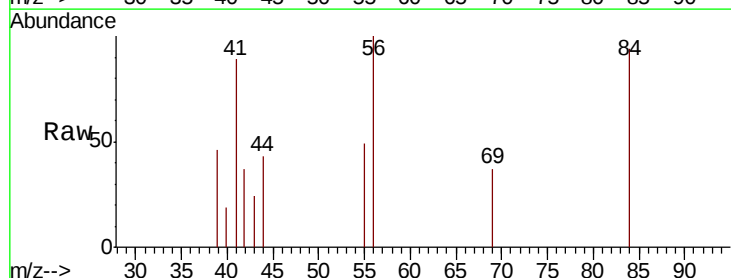
Tgt Ion: 56 Resp: 2016

Ion Ratio Lower Upper

56 100

69 10.6 24.2 36.4#

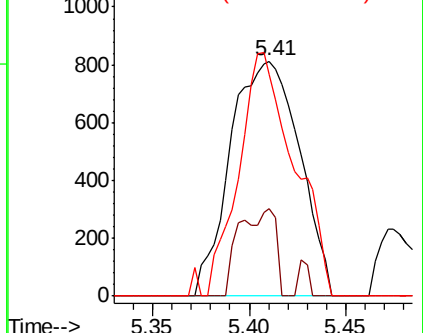
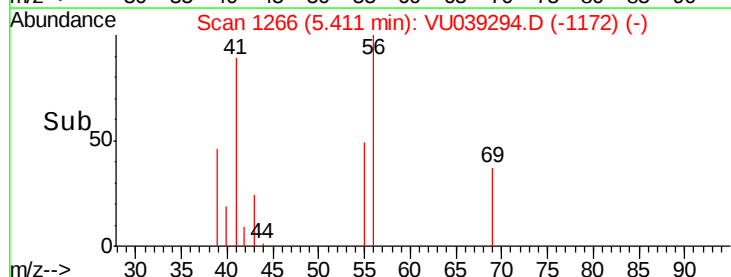
84 83.7 67.0 100.4

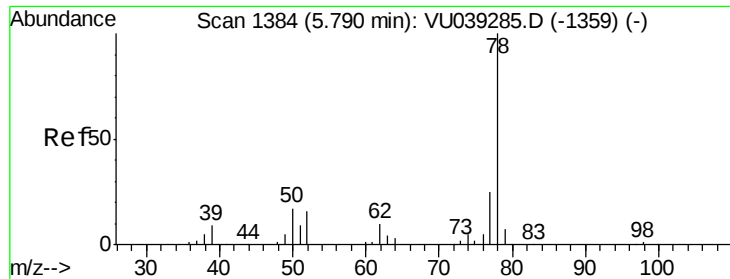


Abundance Ion 56.10 (55.80 to 56.80): VU039294.D (-1172) (-)

Ion 69.15 (68.85 to 69.85): VU039294.D (-1172) (-)

Ion 84.15 (83.85 to 84.85): VU039294.D (-1172) (-)





#33

Benzene

Concen: 0.196 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. -0.00 min

Lab File: VU039294.D

Acq: 06 Jul 2020 16:24

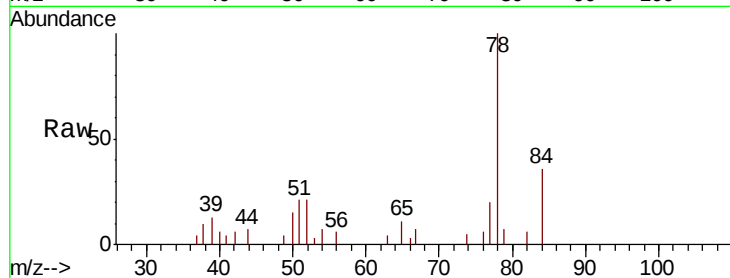
Instrument :

MSVOA_U

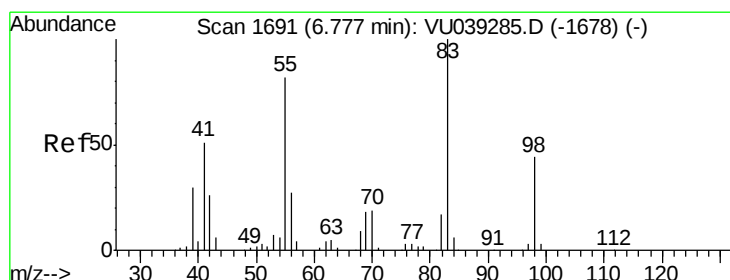
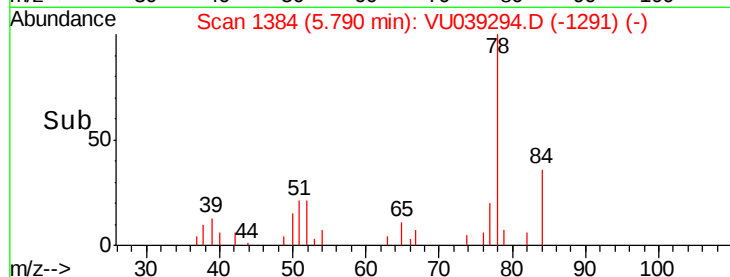
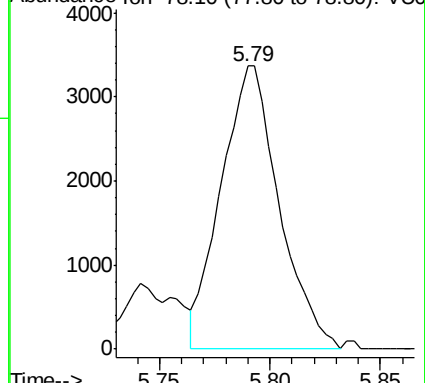
ClientSampleId :

H4280

Tgt Ion: 78 Resp: 6149



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.969 ug/L

RT: 6.71 min Scan# 1669

Delta R.T. -0.07 min

Lab File: VU039294.D

Acq: 06 Jul 2020 16:24

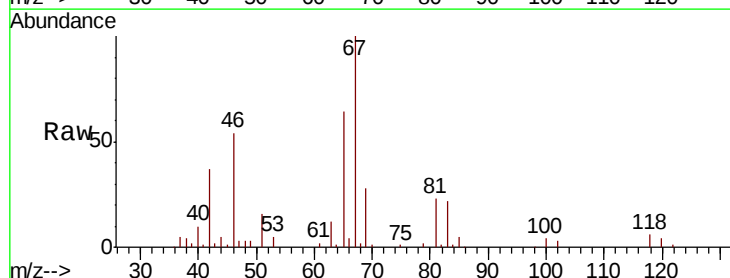
Tgt Ion: 83 Resp: 12570

Ion Ratio Lower Upper

83 100

55 1.5 63.3 94.9#

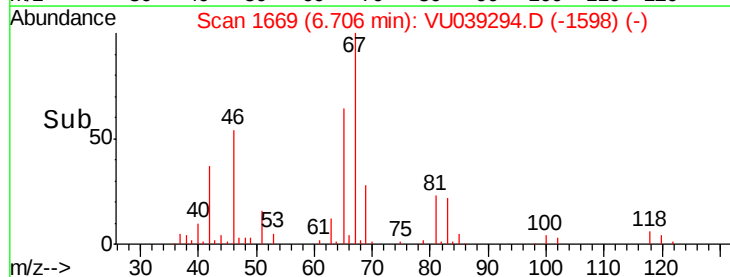
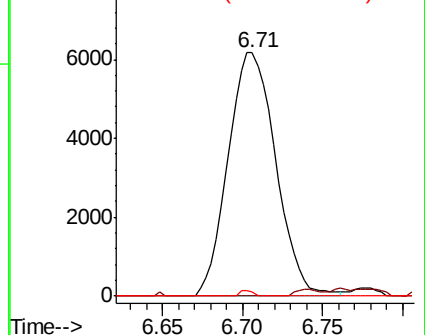
98 0.6 37.4 56.2#

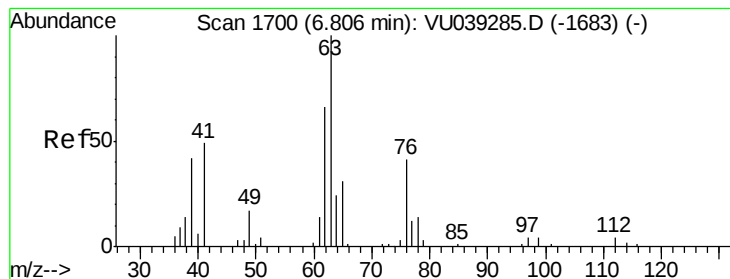


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.724 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU039294.D

Acq: 06 Jul 2020 16:24

Instrument :

MSVOA_U

ClientSampleId :

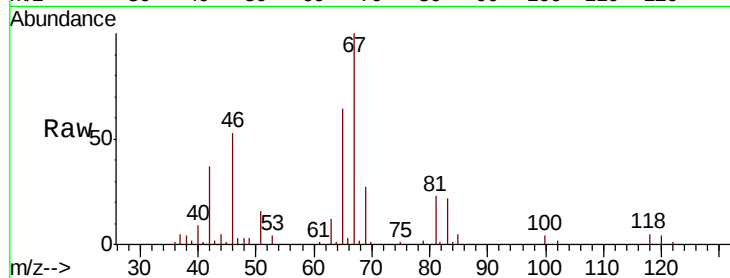
H4280

Tot Ion: 63 Resp: 6350

Ion Ratio Lower Upper

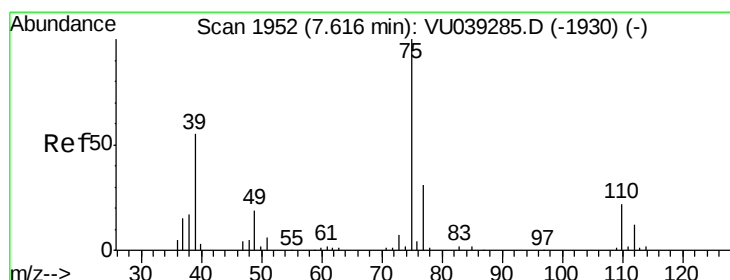
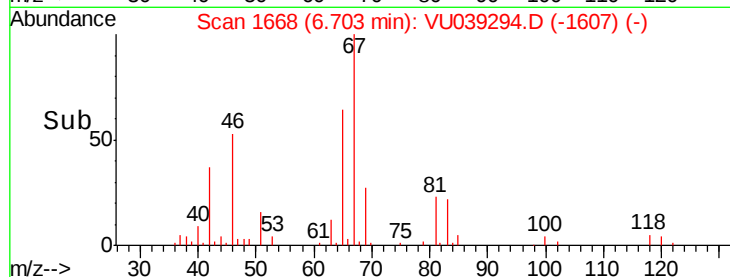
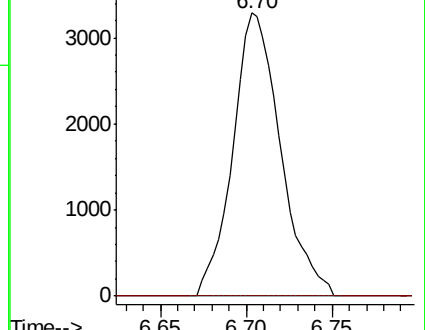
63 100

112 0.0 2.6 3.8#



Abundance Ion 63.10 (62.80 to 63.80): VU039285.D (-1683) (-)

Ion 112.10 (111.80 to 112.80): VU039285.D (-1683) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.135 ug/L

RT: 7.58 min Scan# 1940

Delta R.T. -0.04 min

Lab File: VU039294.D

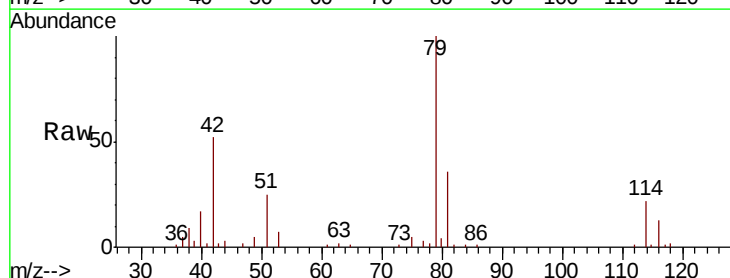
Acq: 06 Jul 2020 16:24

Tgt Ion: 75 Resp: 1843

Ion Ratio Lower Upper

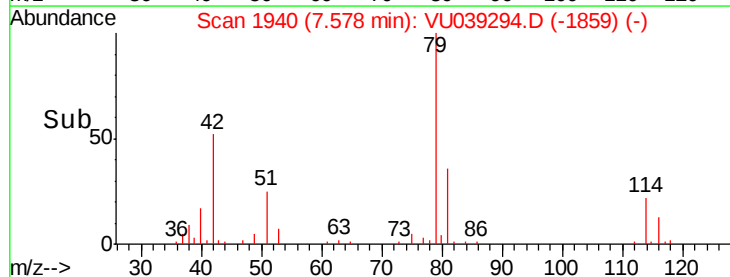
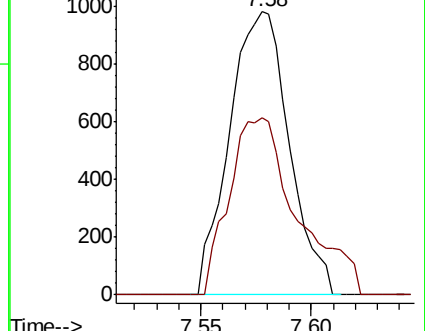
75 100

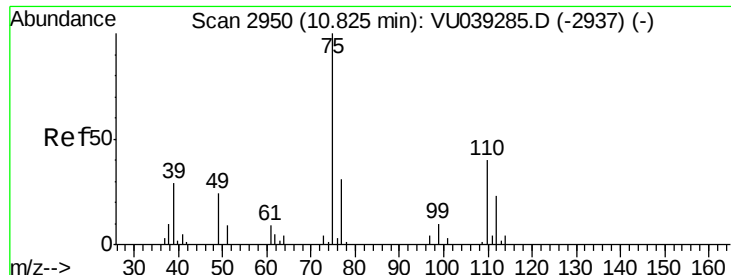
77 62.6 23.3 43.3#



Abundance Ion 75.05 (74.75 to 75.75): VU039285.D (-1930) (-)

Ion 77.05 (76.75 to 77.75): VU039285.D (-1930) (-)





#59
 1,2,3-Trichloropropane
 Concen: 1.234 ug/L
 RT: 11.81 min Scan# 3256
 Delta R.T. 0.98 min
 Lab File: VU039294.D
 Acq: 06 Jul 2020 16:24

Instrument :
 MSVOA_U
 ClientSampleId :
 H4280

Tot Ion: 75 Resp: 8133
 Ion Ratio Lower Upper
 75 100
 77 37.2 27.7 41.5

