

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070620\
 Data File : VU039296.D
 Acq On : 06 Jul 2020 17:10
 Operator : SY/MD
 Sample : L3193-09
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4299

Quant Time: Jul 07 01:20:25 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	6.27	114	116570	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	108852	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	52188	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	47376	5.28	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.60%
7) Chloroethane-d5	1.93	69	40138	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.60%
11) 1,1-Dichloroethene-d2	2.58	63	68632	4.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.40%
20) 2-Butanone-d5	4.66	46	178782	52.91	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.82%
24) Chloroform-d	5.09	84	84756	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	5.72	65	51090	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
32) Benzene-d6	5.75	84	173979	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
36) 1,2-Dichloropropane-d6	6.71	67	57006	5.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.40%
41) Toluene-d8	7.91	98	155426	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.00%
43) trans-1,3-Dichloropropene-	8.19	79	22285	4.33	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.60%
46) 2-Hexanone-d5	8.64	63	137235	50.59	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.18%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	52007	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	58552	4.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.40%

Target Compounds

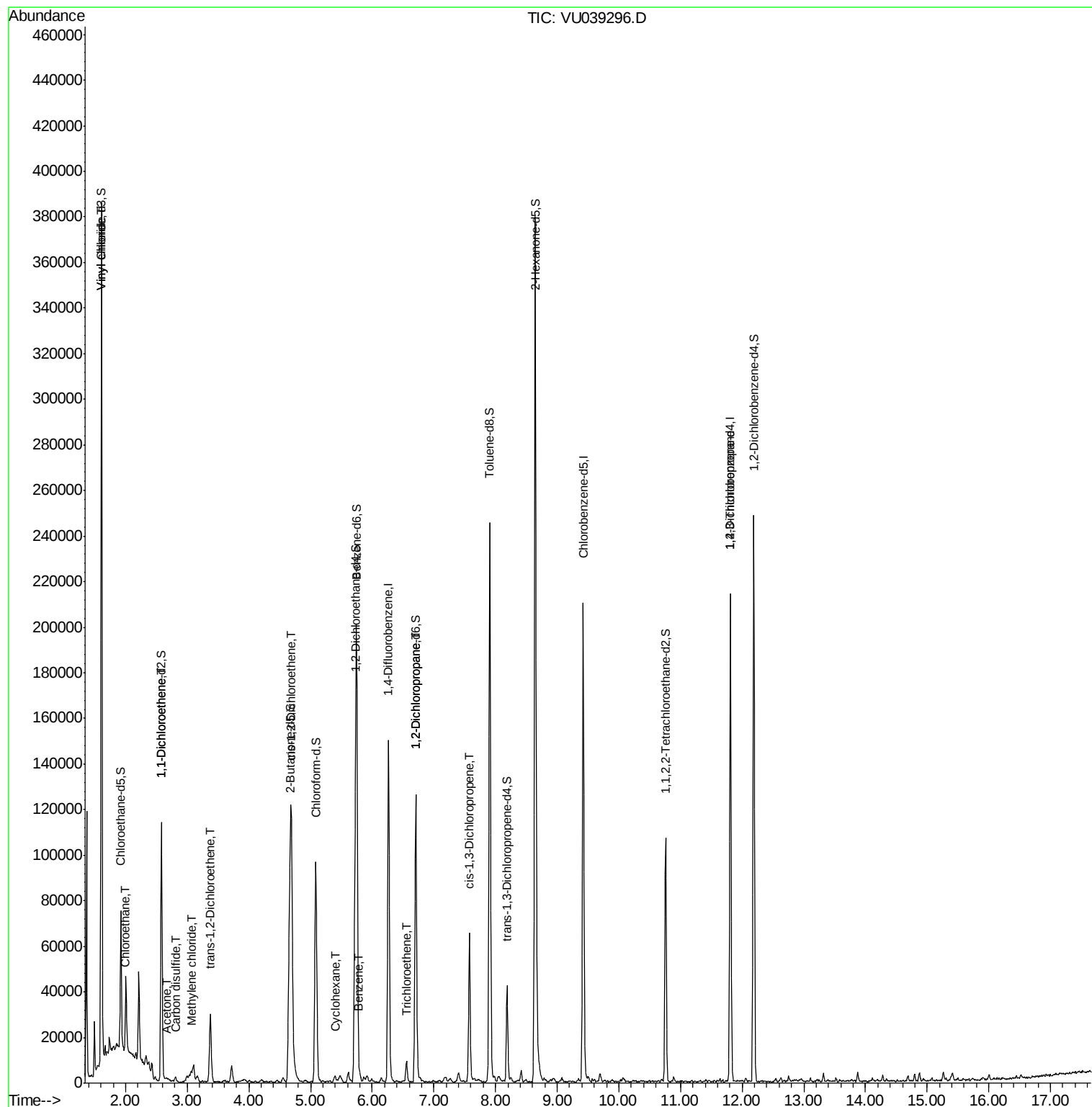
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	138938	15.998	ug/L	94
8) Chloroethane	1.99	64	463	0.078	ug/L #	53
12) 1,1-Dichloroethene	2.58	96	657	0.099	ug/L #	1
13) Acetone	2.67	43	2555	1.598	ug/L	79
14) Carbon disulfide	2.81	76	2831	0.134	ug/L	100
16) Methylene chloride	3.06	84	1274	0.151	ug/L #	71
18) trans-1,2-Dichloroethene	3.38	96	8767	1.221	ug/L	98
22) cis-1,2-Dichloroethene	4.69	96	35404	4.328	ug/L	100
30) Cyclohexane	5.40	56	1093	0.087	ug/L #	23
33) Benzene	5.79	78	2492	0.081	ug/L	100
34) Trichloroethene	6.56	95	2987	0.378	ug/L	83
37) 1,2-Dichloropropane	6.70	63	6447	0.753	ug/L #	90
39) cis-1,3-Dichloropropene	7.58	75	1665	0.125	ug/L #	72
59) 1,2,3-Trichloropropane	11.81	75	7938	1.234	ug/L	93

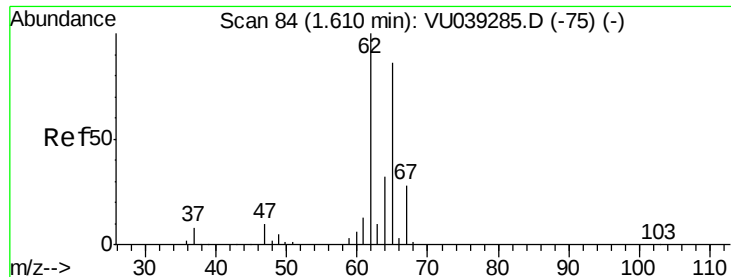
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#5

Vinyl chloride

Concen: 15.998 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039296.D

Acq: 06 Jul 2020 17:10

Instrument :

MSVOA_U

ClientSampled :

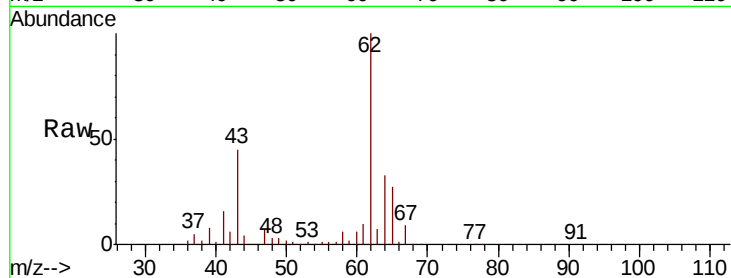
H4299

Tot Ion: 62 Resp: 138938

Ion Ratio Lower Upper

62 100

64 33.2 25.6 47.4



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

Ion 64.10 (63.80 to 64.80): VU039296.D (-95) (-)

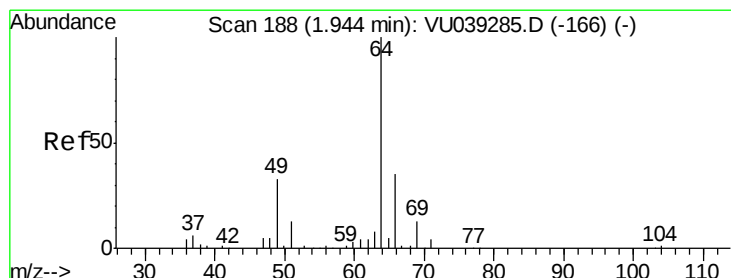
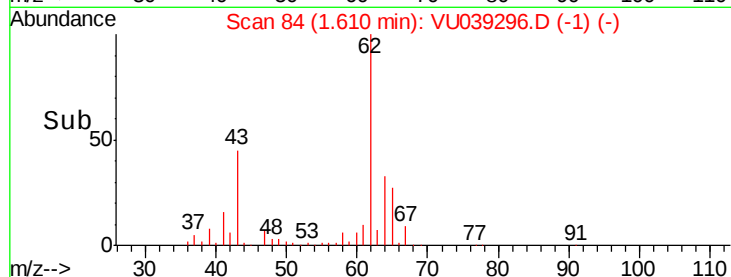
1.61

100000

50000

0

Time-->



#8

Chloroethane

Concen: 0.078 ug/L

RT: 1.99 min Scan# 201

Delta R.T. 0.04 min

Lab File: VU039296.D

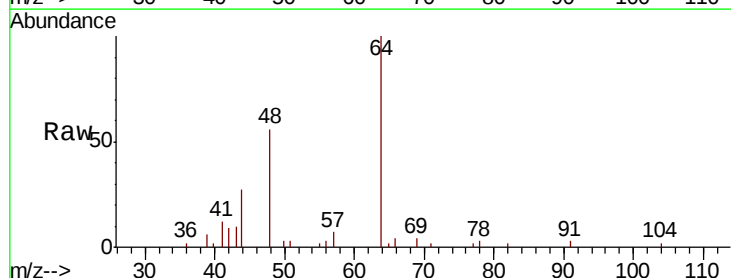
Acq: 06 Jul 2020 17:10

Tgt Ion: 64 Resp: 463

Ion Ratio Lower Upper

64 100

66 4.3 20.7 38.5#



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

Ion 66.05 (65.75 to 66.75): VU039296.D (-95) (-)

1.99

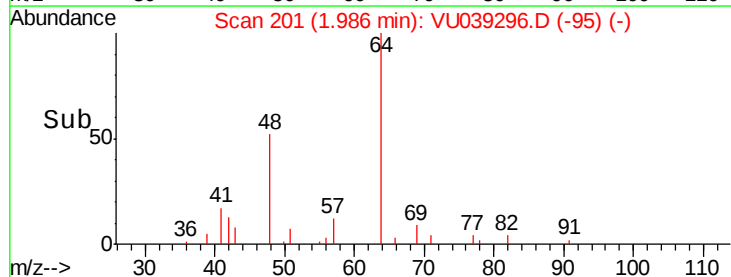
6000

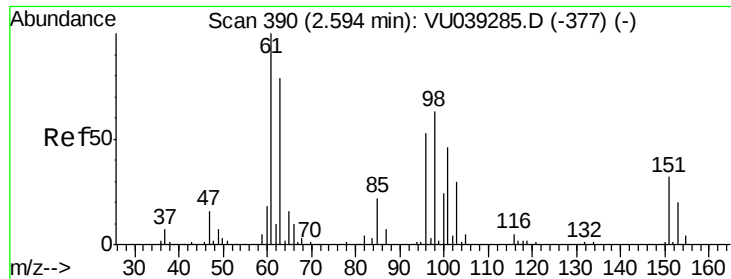
4000

2000

0

Time-->

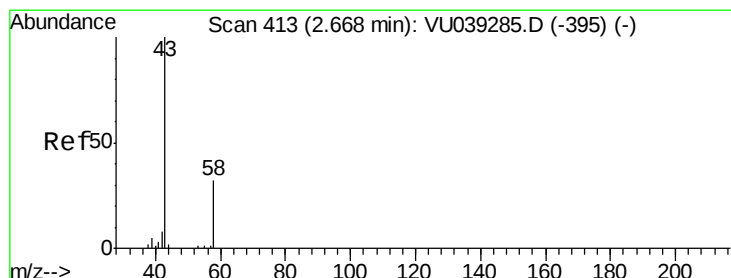
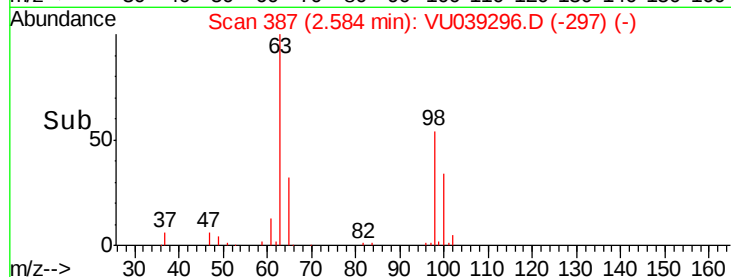
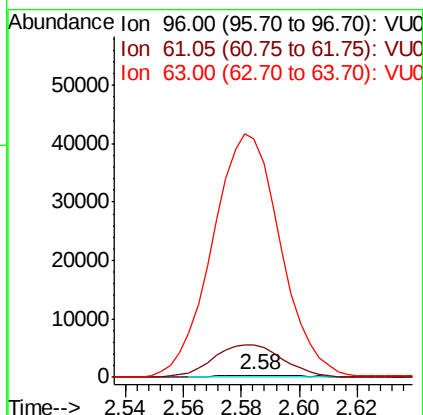
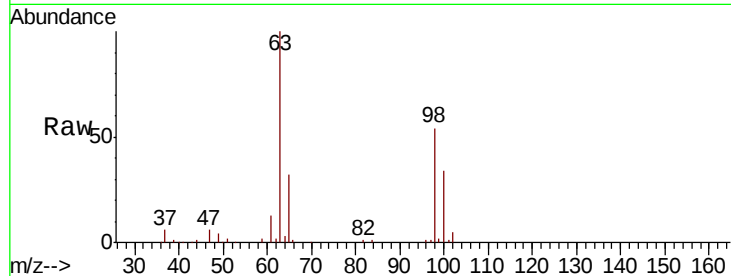




#12
 1,1-Dichloroethene
 Concen: 0.099 ug/L
 RT: 2.58 min Scan# 387
 Delta R.T. -0.01 min
 Lab File: VU039296.D
 Acq: 06 Jul 2020 17:10

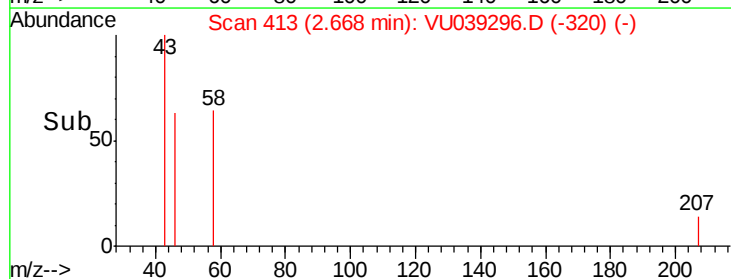
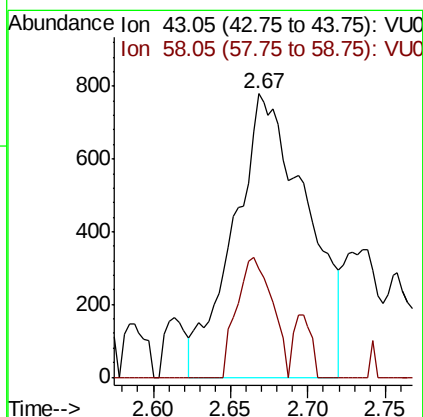
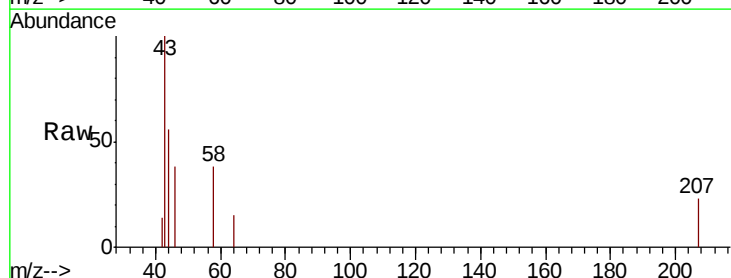
Instrument :
 MSVOA_U
 ClientSampleId :
 H4299

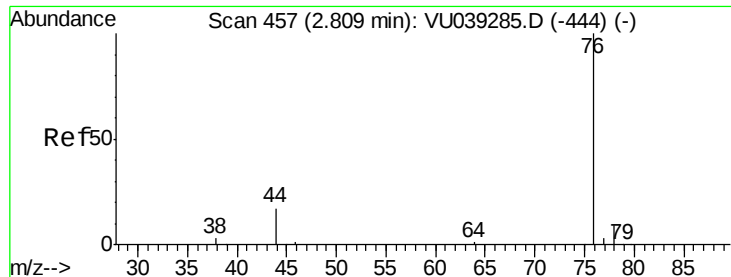
Tot Ion: 96 Resp: 657
 Ion Ratio Lower Upper
 96 100
 61 1607.9 123.8 230.0#
 63 11932.4 112.1 208.3#



#13
 Acetone
 Concen: 1.598 ug/L
 RT: 2.67 min Scan# 413
 Delta R.T. 0.00 min
 Lab File: VU039296.D
 Acq: 06 Jul 2020 17:10

Tgt Ion: 43 Resp: 2555
 Ion Ratio Lower Upper
 43 100
 58 20.4 0.0 63.6





#14

Carbon disulfide

Concen: 0.134 ug/L

RT: 2.81 min Scan# 458

Delta R.T. 0.00 min

Lab File: VU039296.D

Acq: 06 Jul 2020 17:10

Instrument :

MSVOA_U

ClientSampleId :

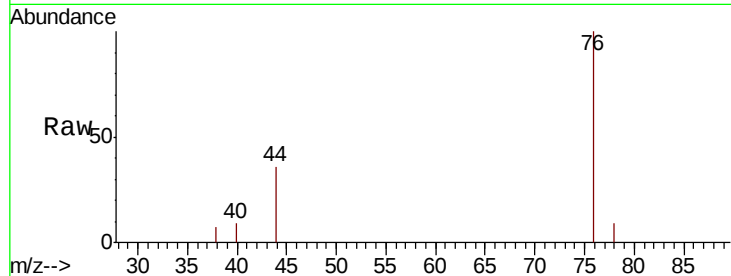
H4299

Tot Ion: 76 Resp: 2831

Ion Ratio Lower Upper

76 100

78 9.1 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

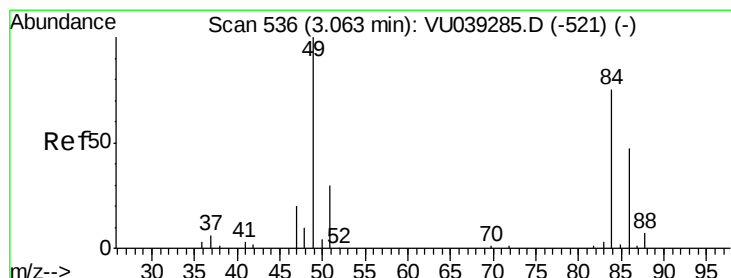
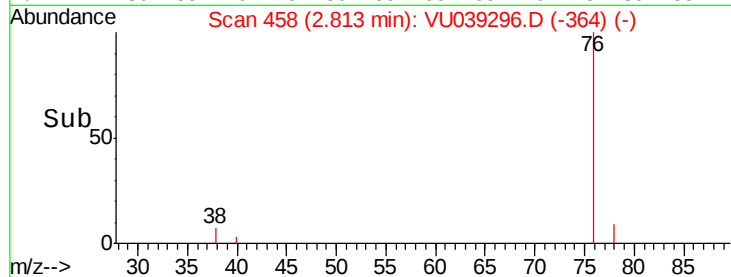
500

0

2.80

2.85

Time-->



#16

Methylene chloride

Concen: 0.151 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU039296.D

Acq: 06 Jul 2020 17:10

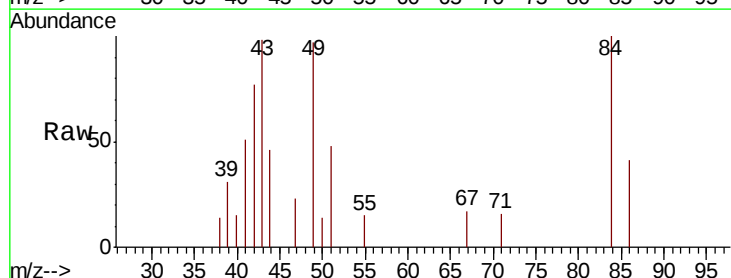
Tgt Ion: 84 Resp: 1274

Ion Ratio Lower Upper

84 100

86 40.8 42.6 79.0#

49 97.4 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) (-)

1000

800

600

400

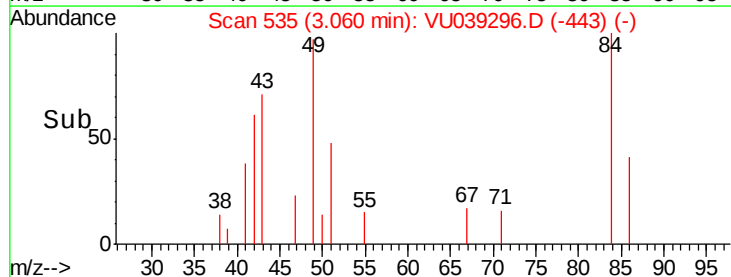
200

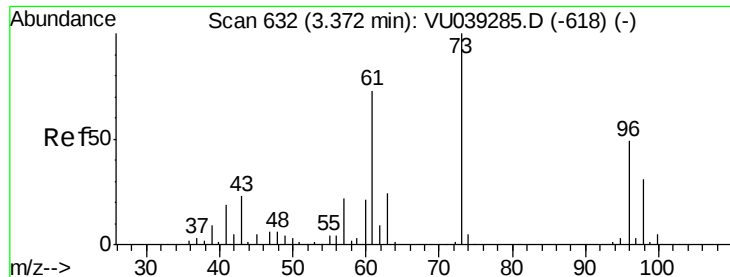
0

3.05

3.10

Time-->

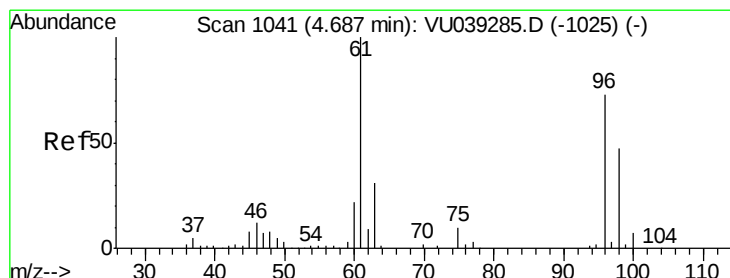
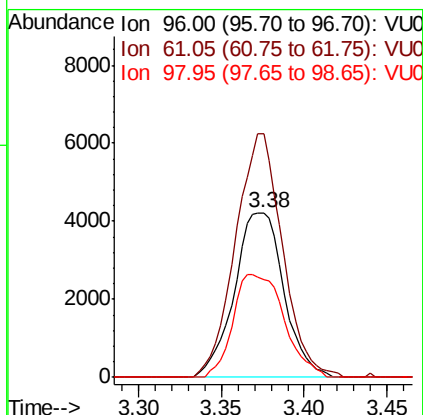
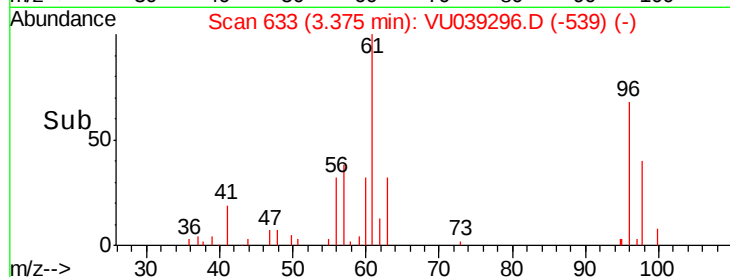
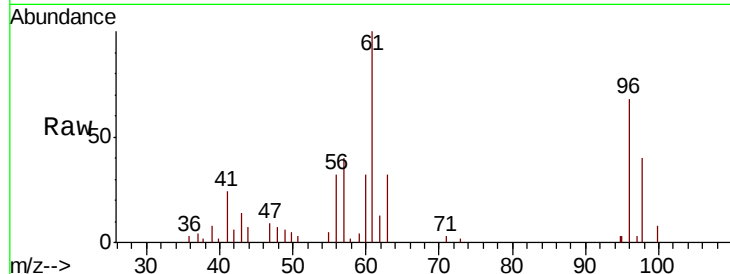




#18
trans-1,2-Dichloroethene
Concen: 1.221 ug/L
RT: 3.38 min Scan# 633
Delta R.T. 0.00 min
Lab File: VU039296.D
Acq: 06 Jul 2020 17:10

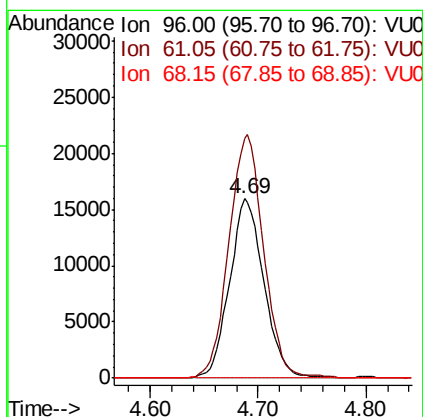
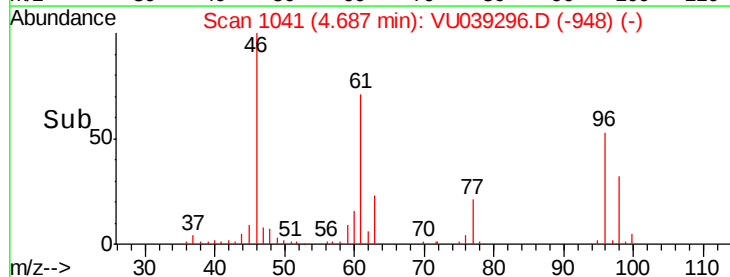
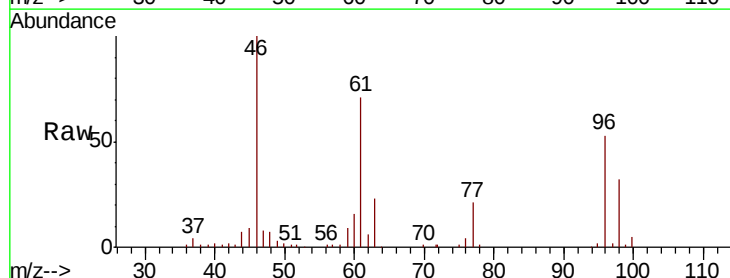
Instrument :
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ClientSampleId :
H4299

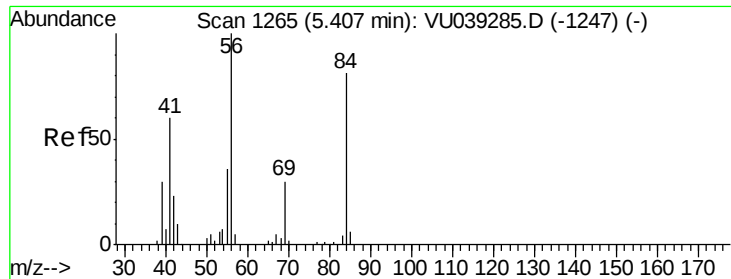
Tot Ion: 96 Resp: 8767
Ion Ratio Lower Upper
96 100
61 147.9 104.7 194.5
98 59.7 43.1 80.1



#22
cis-1,2-Dichloroethene
Concen: 4.328 ug/L
RT: 4.69 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VU039296.D
Acq: 06 Jul 2020 17:10

Tgt Ion: 96 Resp: 35404
Ion Ratio Lower Upper
96 100
61 133.6 93.7 173.9
68 0.0 0.0 0.0

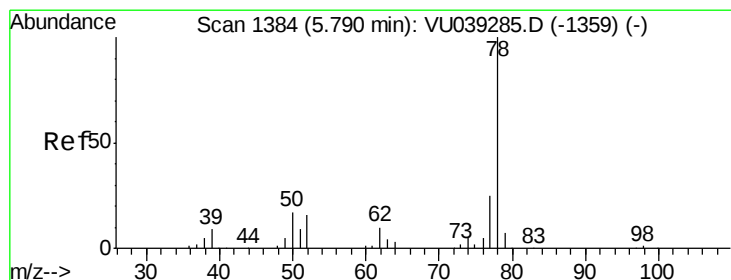
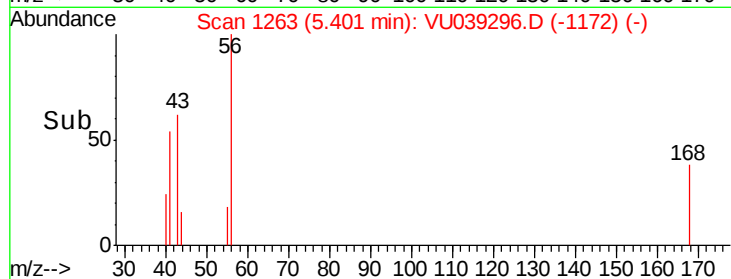
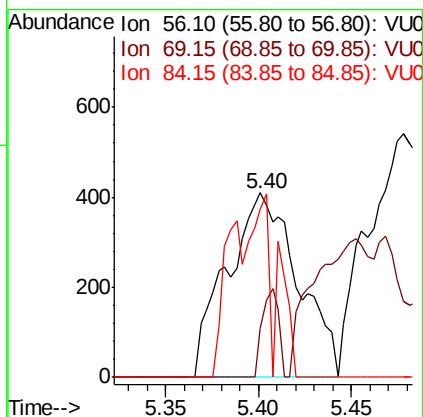
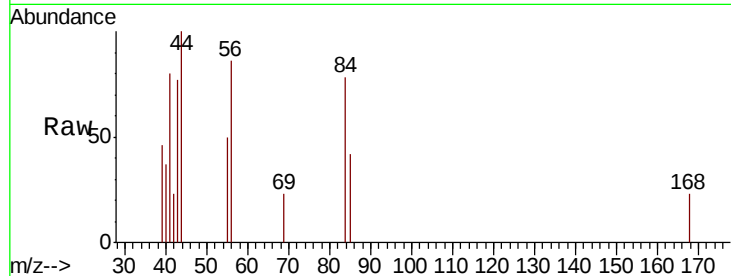




#30
Cyclohexane
Concen: 0.087 ug/L
RT: 5.40 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VU039296.D
Acq: 06 Jul 2020 17:10

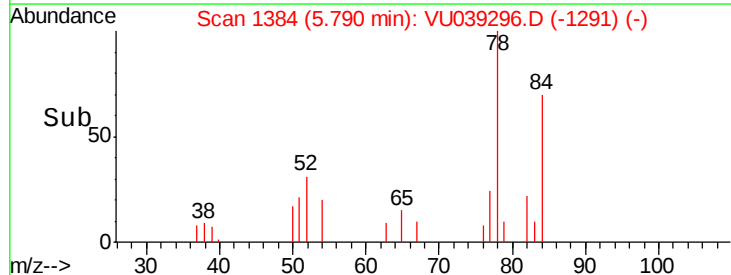
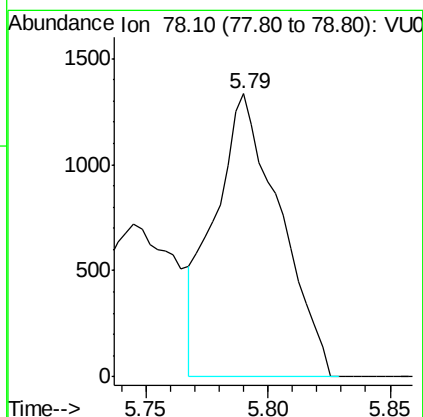
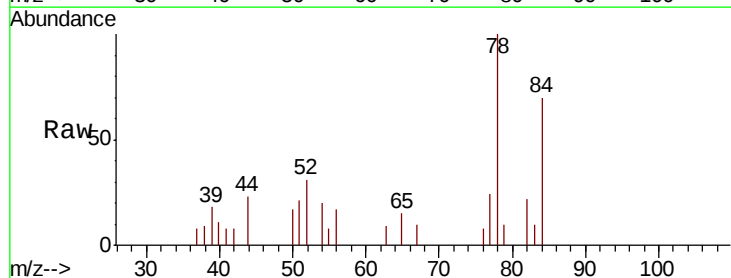
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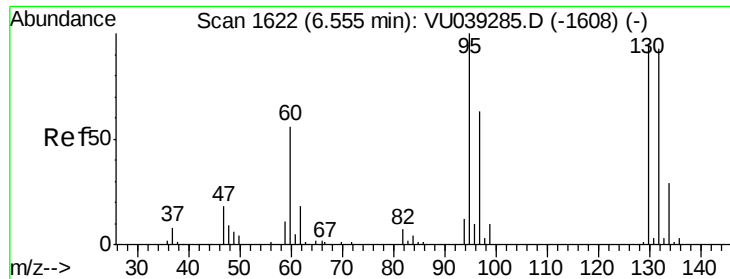
Tot Ion: 56 Resp: 1093
Ion Ratio Lower Upper
56 100
69 11.1 24.2 36.4#
84 0.0 67.0 100.4#



#33
Benzene
Concen: 0.081 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU039296.D
Acq: 06 Jul 2020 17:10

Tgt Ion: 78 Resp: 2492





#34

Trichloroethene

Concen: 0.378 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039296.D

Acq: 06 Jul 2020 17:10

Instrument :

MSVOA_U

ClientSampleId :

H4299

Tot Ion: 95 Resp: 2987

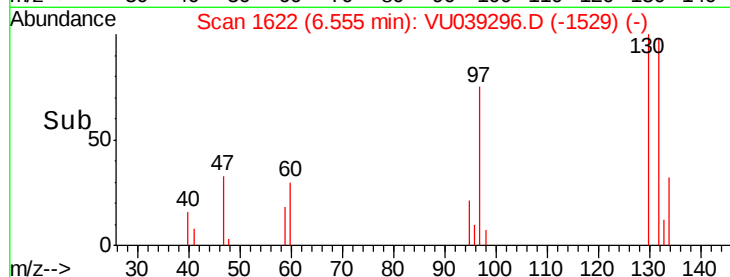
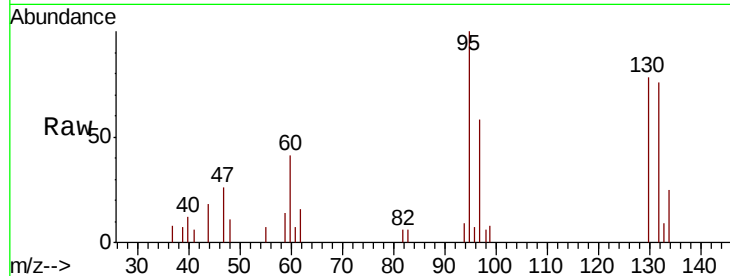
Ion Ratio Lower Upper

95 100

97 58.3 47.0 87.2

132 76.4 65.0 120.8

130 77.7 69.8 129.6

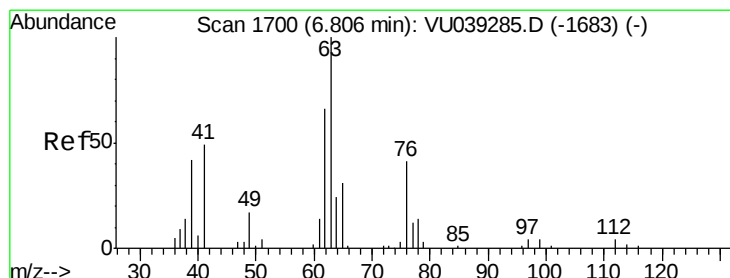
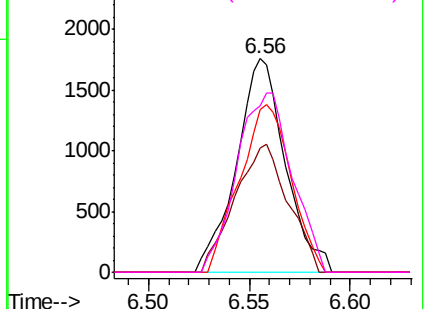


Abundance Ion 95.00 (94.70 to 95.70): VU039285.D (-1608) (-)

Ion 96.95 (96.65 to 97.65): VU039285.D (-1608) (-)

Ion 131.95 (131.65 to 132.65): VU039285.D (-1608) (-)

Ion 129.95 (129.65 to 130.65): VU039285.D (-1608) (-)



#37

1,2-Dichloropropane

Concen: 0.753 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU039296.D

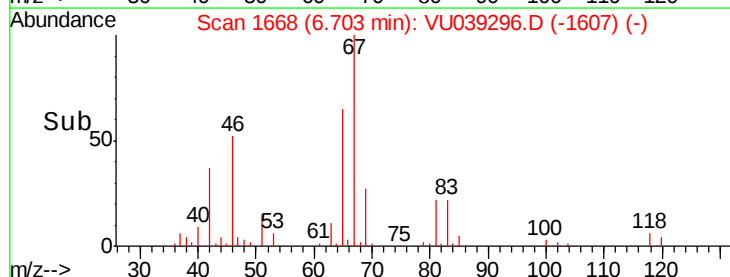
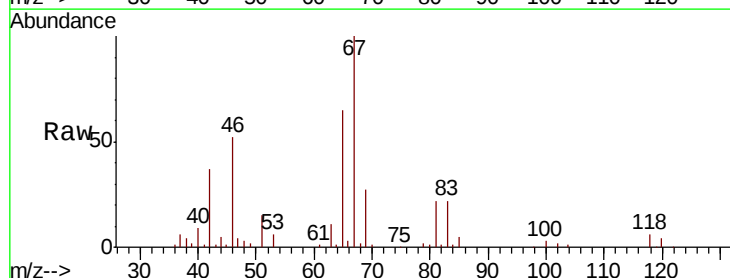
Acq: 06 Jul 2020 17:10

Tgt Ion: 63 Resp: 6447

Ion Ratio Lower Upper

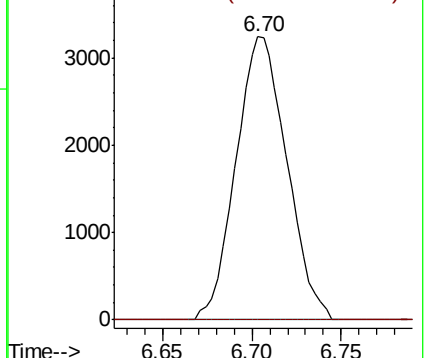
63 100

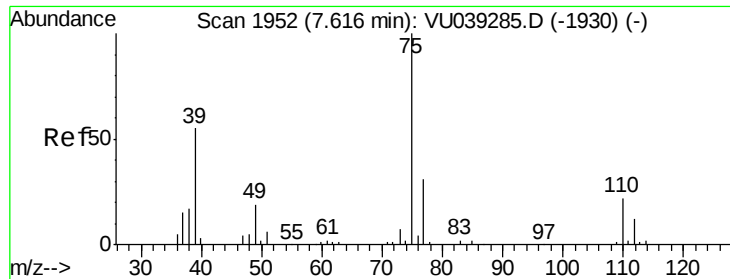
112 0.0 2.6 3.8#



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: 0.125 ug/L

RT: 7.58 min Scan# 1940

Delta R.T. -0.04 min

Lab File: VU039296.D

Acq: 06 Jul 2020 17:10

Instrument :

MSVOA_U

ClientSampled :

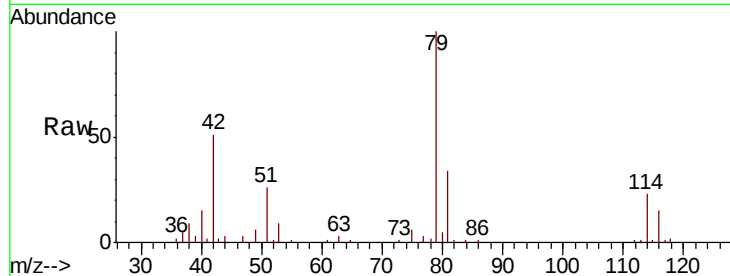
H4299

Tot Ion: 75 Resp: 1665

Ion Ratio Lower Upper

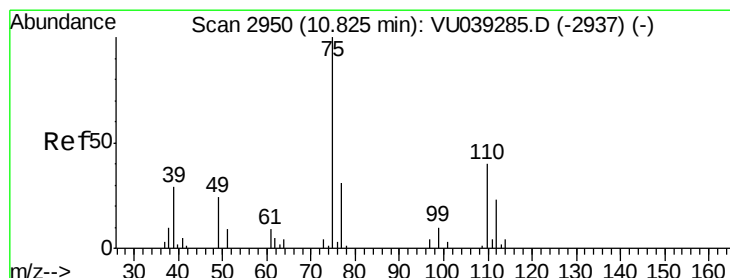
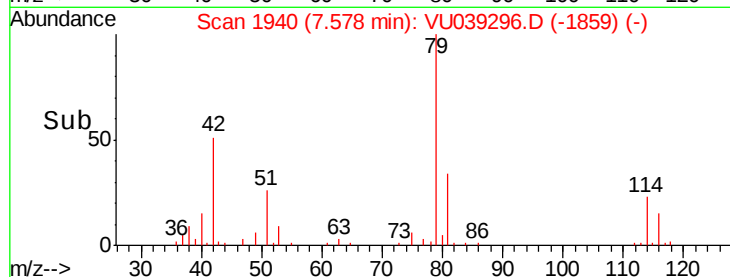
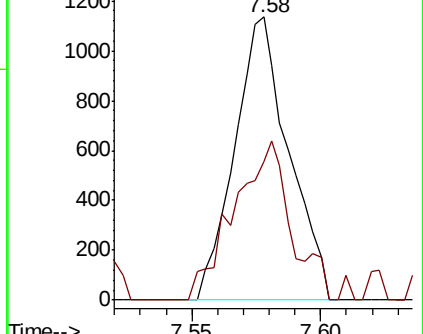
75 100

77 49.2 23.3 43.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#59

1,2,3-Trichloropropane

Concen: 1.234 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.98 min

Lab File: VU039296.D

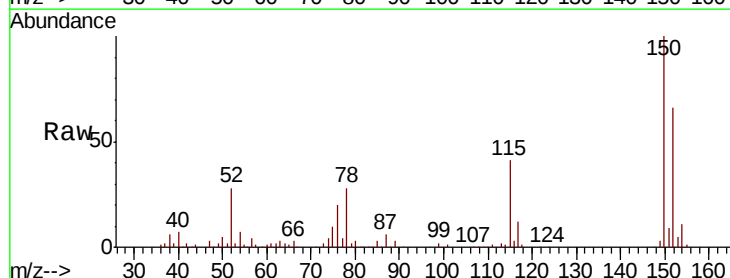
Acq: 06 Jul 2020 17:10

Tgt Ion: 75 Resp: 7938

Ion Ratio Lower Upper

75 100

77 38.9 27.7 41.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

