

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042920\
 Data File : VU037919.D
 Acq On : 29 Apr 2020 18:06
 Operator : JC/MD
 Sample : L2410-17MS
 Misc : 5.6mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 30 01:22:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 30 01:17:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	669672	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	652280	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	308140	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	206731	35.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.66%
7) Chloroethane-d5	2.04	69	312	0.07	ug/L	0.12
Spiked Amount	50.000	Range	70 - 130	Recovery	=	0.14%#
11) 1,1-Dichloroethene-d2	2.59	63	401398	42.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.76%
21) 2-Butanone-d5	4.66	46	444409	95.86	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.86%
24) Chloroform-d	5.10	84	413840	46.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.86%
26) 1,2-Dichloroethane-d4	5.74	65	290111	47.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.02%
32) Benzene-d6	5.76	84	853302	46.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.52%
36) 1,2-Dichloropropane-d6	6.72	67	292569	47.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.84%
41) Toluene-d8	7.92	98	770142	45.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.86%
43) trans-1,3-Dichloropropene-	8.20	79	137044	43.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.32%
47) 2-Hexanone-d5	8.65	63	335427	99.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.87%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	424679	49.47	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.94%
64) 1,2-Dichlorobenzene-d4	12.20	152	291504	48.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.24%

Target Compounds

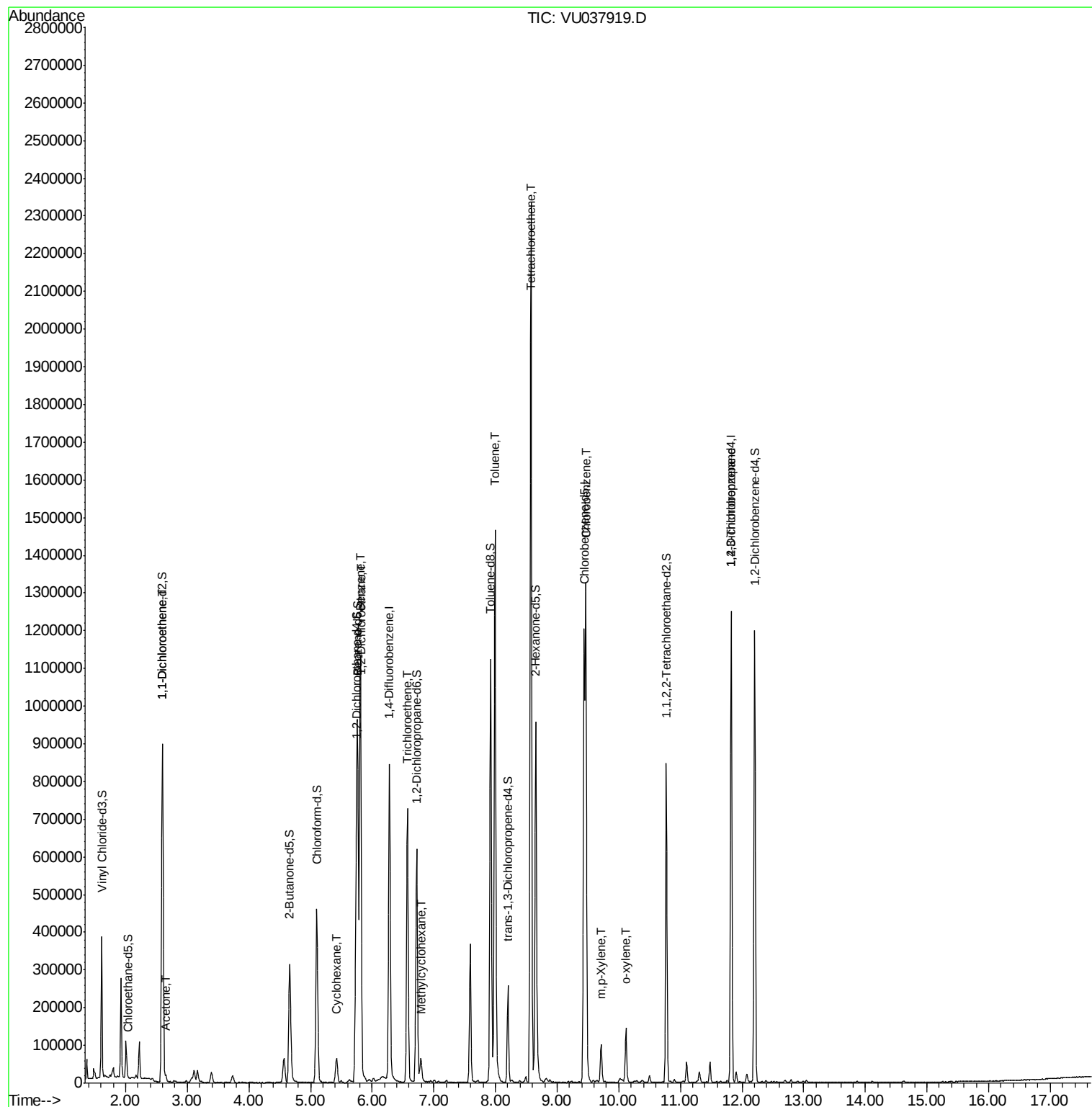
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.60	96	205150	50.459	ug/L	89
13) Acetone	2.65	43	20356	7.359	ug/L	96
27) 1,2-Dichloroethane	5.83	62	25064	3.413	ug/L #	92
29) Cyclohexane	5.42	56	32908	3.606	ug/L	97
33) Benzene	5.81	78	1047739	52.922	ug/L	100
34) Trichloroethene	6.57	95	245095	50.470	ug/L	98
35) Methylcyclohexane	6.79	83	24566	2.889	ug/L	96
42) Toluene	7.99	91	1085734	52.306	ug/L	100
46) Tetrachloroethene	8.57	164	502812	141.657	ug/L	99
51) Chlorobenzene	9.47	112	663432	51.384	ug/L	99
53) m,p-Xylene	9.71	106	29012	3.315	ug/L	92
54) o-xylene	10.12	106	39203	4.580	ug/L	99
59) 1,2,3-Trichloropropane	11.83	75	41633	5.732	ug/L	93

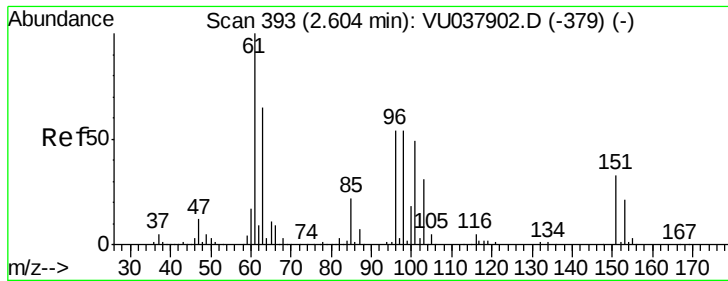
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 50.459 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037919.D

Acq: 29 Apr 2020 18:06

Instrument :

MSVOA_U

ClientSampleId :

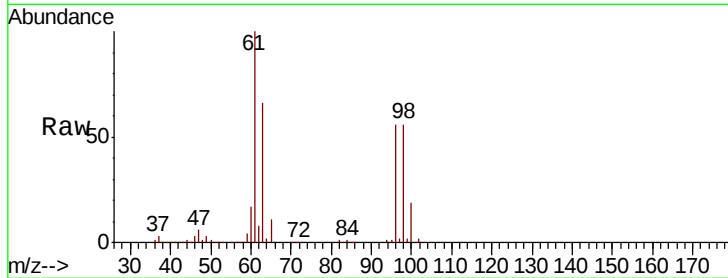
Tot Ion: 96 Resp: 205150

Ion Ratio Lower Upper

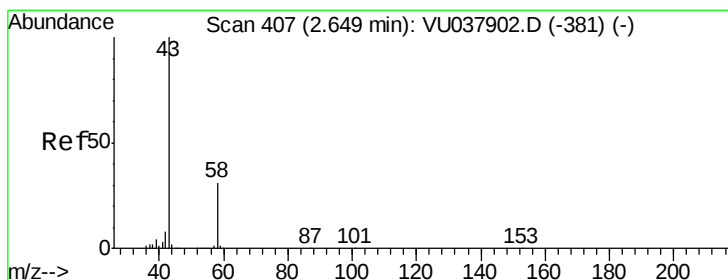
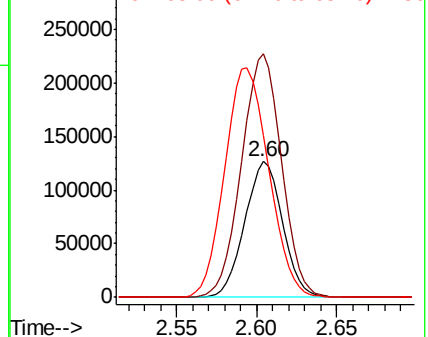
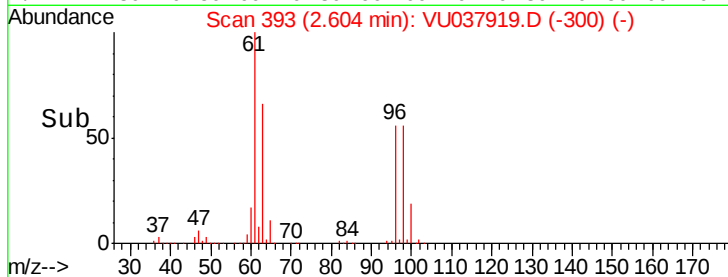
96 100

61 179.5 134.1 249.0

63 119.1 96.5 179.1



Abundance Ion 96.00 (95.70 to 96.70): VU037919.D (-300) (-)



#13

Acetone

Concen: 7.359 ug/L

RT: 2.65 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU037919.D

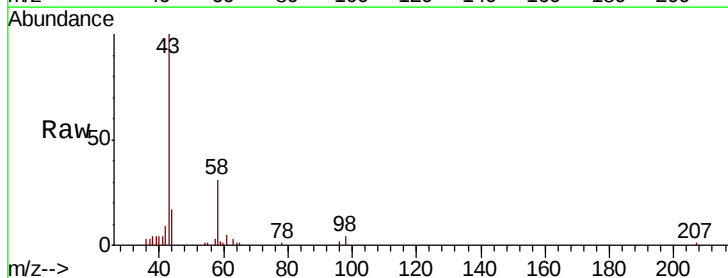
Acq: 29 Apr 2020 18:06

Tgt Ion: 43 Resp: 20356

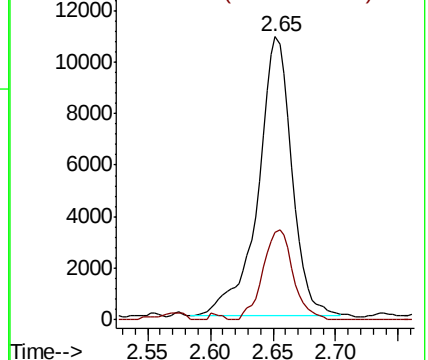
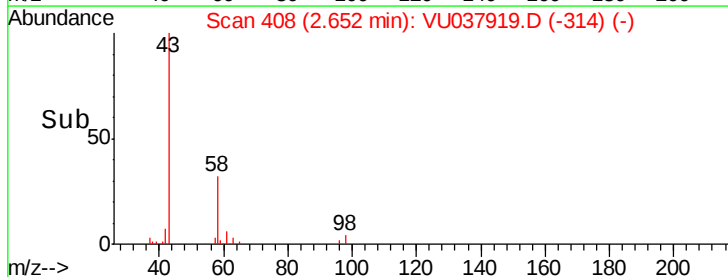
Ion Ratio Lower Upper

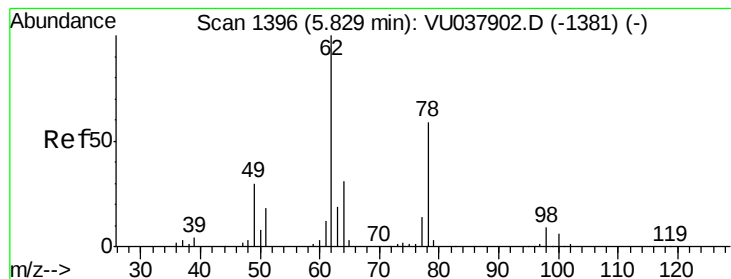
43 100

58 28.8 0.0 62.0



Abundance Ion 43.00 (42.70 to 43.70): VU037919.D (-314) (-)





#27

1,2-Dichloroethane

Concen: 3.413 ug/L

RT: 5.83 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VU037919.D

Acq: 29 Apr 2020 18:06

Instrument :

MSVOA_U

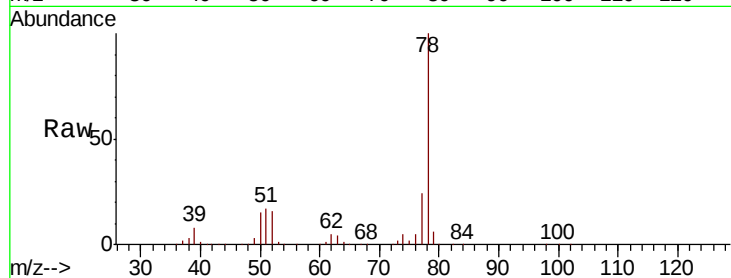
ClientSampled :

Tot Ion: 62 Resp: 25064

Ion Ratio Lower Upper

62 100

98 6.3 7.3 10.9#



Abundance Ion 62.00 (61.70 to 62.70): VU037919.D (-1303) (-)

Ion 98.00 (97.70 to 98.70): VU037919.D (-1303) (-)

5.83

12000

10000

8000

6000

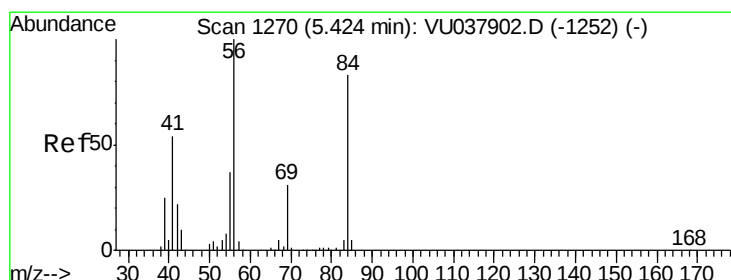
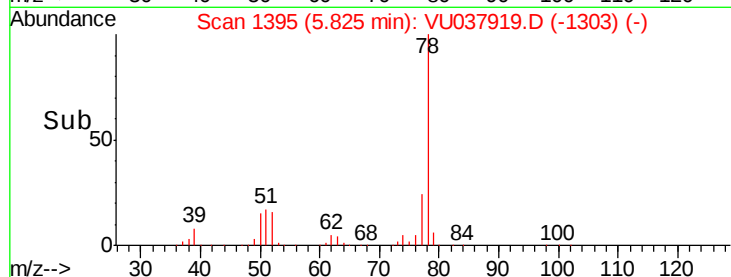
4000

2000

0

5.75 5.80 5.85 5.90

Time-->



#29

Cyclohexane

Concen: 3.606 ug/L

RT: 5.42 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VU037919.D

Acq: 29 Apr 2020 18:06

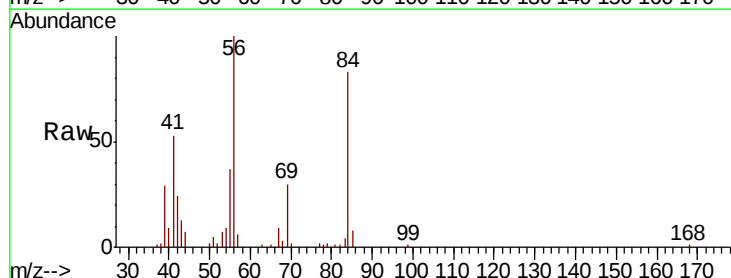
Tgt Ion: 56 Resp: 32908

Ion Ratio Lower Upper

56 100

69 30.8 22.9 34.3

84 81.9 63.6 95.4



Abundance Ion 56.00 (55.70 to 56.70): VU037919.D (-1177) (-)

Ion 69.00 (68.70 to 69.70): VU037919.D (-1177) (-)

Ion 84.00 (83.70 to 84.70): VU037919.D (-1177) (-)

5.42

15000

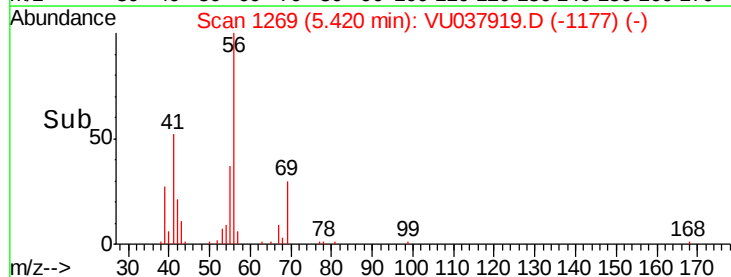
10000

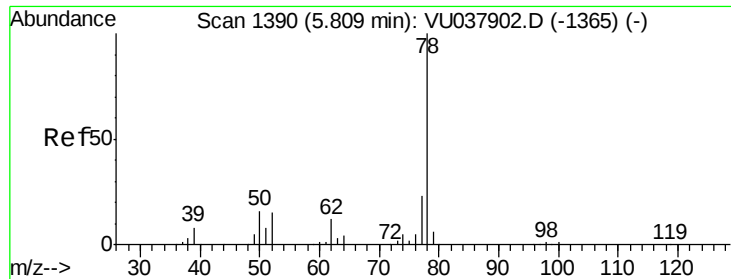
5000

0

5.35 5.40 5.45 5.50

Time-->





#33

Benzene

Concen: 52.922 ug/L

RT: 5.81 min Scan# 1390

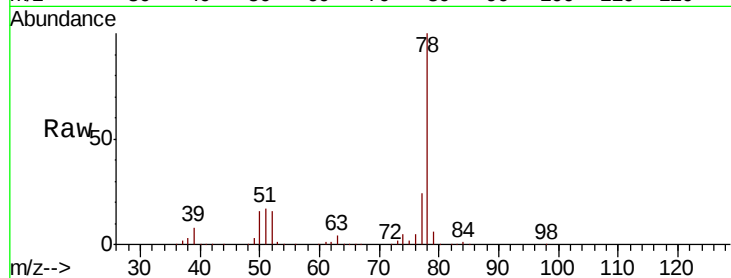
Delta R.T. -0.00 min

Lab File: VU037919.D

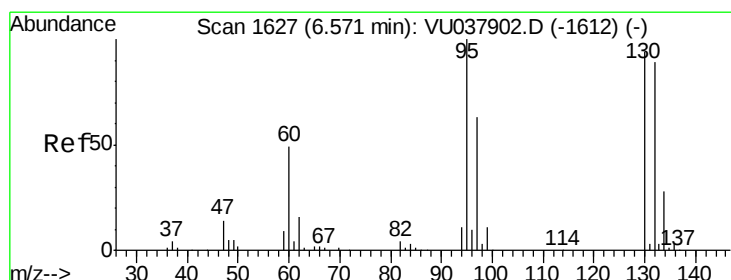
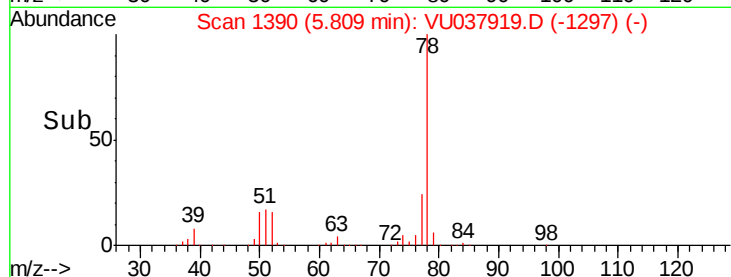
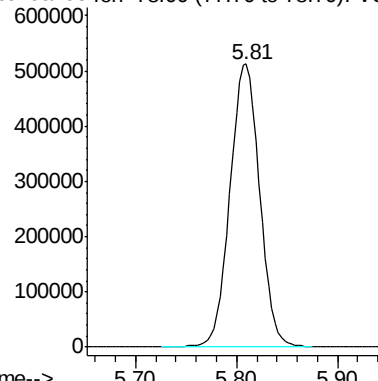
Acq: 29 Apr 2020 18:06

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 78 Resp: 1047739



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 50.470 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU037919.D

Acq: 29 Apr 2020 18:06

Tgt Ion: 95 Resp: 245095

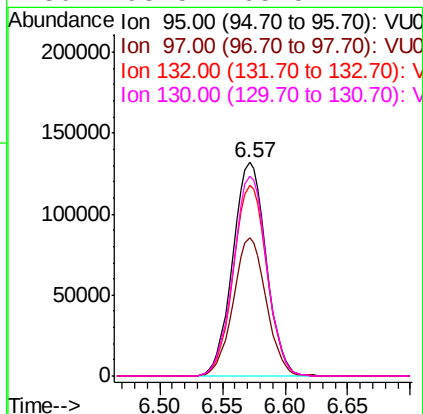
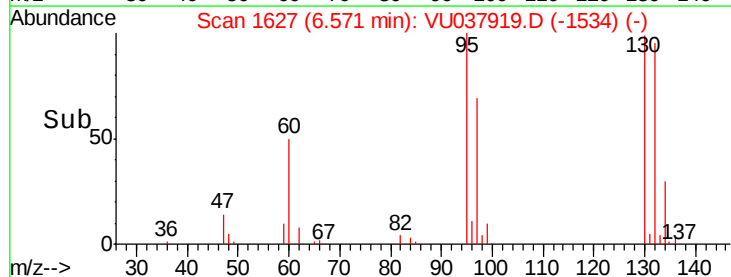
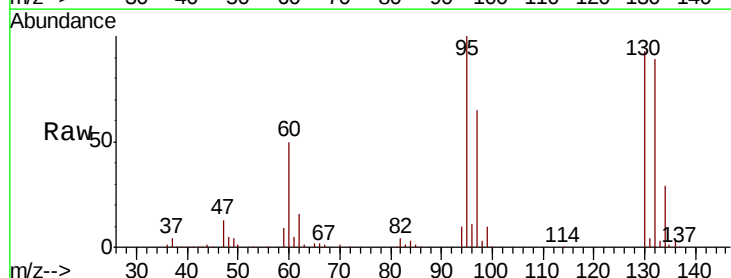
Ion	Ratio	Lower	Upper
95	100		
97	65.0	44.4	82.5
132	89.1	65.0	120.6
130	93.5	65.5	121.7

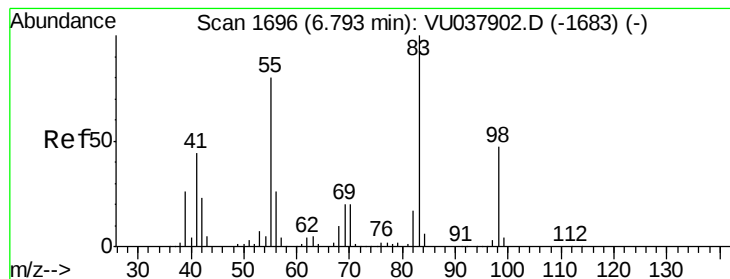
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V





#35

Methvlcvclohexane

Concen: 2.889 ug/L

RT: 6.79 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU037919.D

Acq: 29 Apr 2020 18:06

Instrument :

MSVOA_U

ClientSampled :

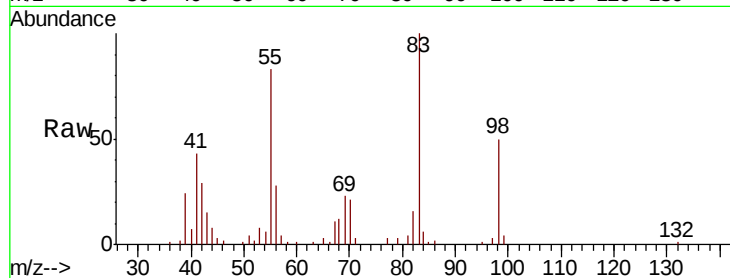
Tot Ion: 83 Resp: 24566

Ion Ratio Lower Upper

83 100

55 87.2 66.3 99.5

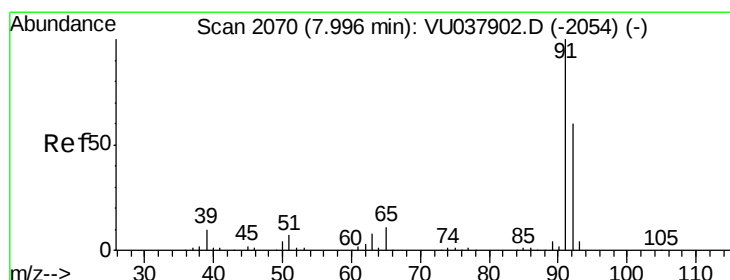
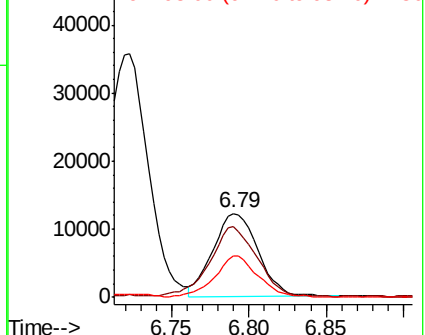
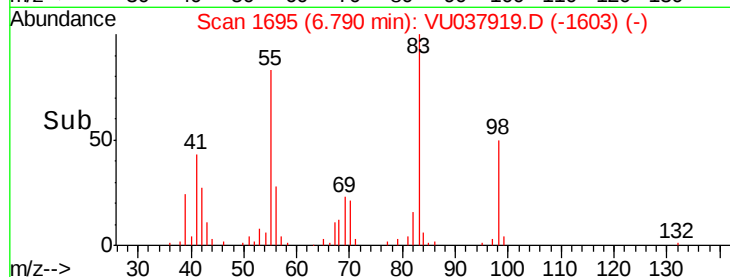
98 48.4 37.4 56.0



Abundance Ion 83.00 (82.70 to 83.70): VU037919.D (-1603) (-)

Ion 55.00 (54.70 to 55.70): VU037919.D (-1603) (-)

Ion 98.00 (97.70 to 98.70): VU037919.D (-1603) (-)



#42

Toluene

Concen: 52.306 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU037919.D

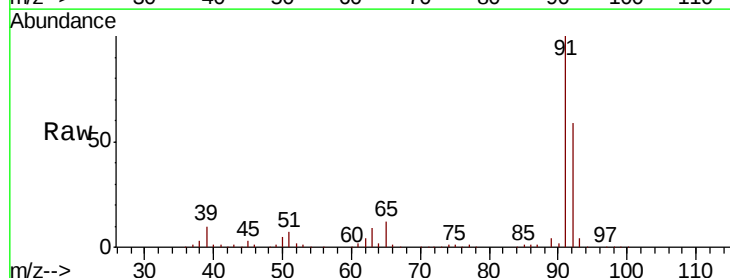
Acq: 29 Apr 2020 18:06

Tgt Ion: 91 Resp: 1085734

Ion Ratio Lower Upper

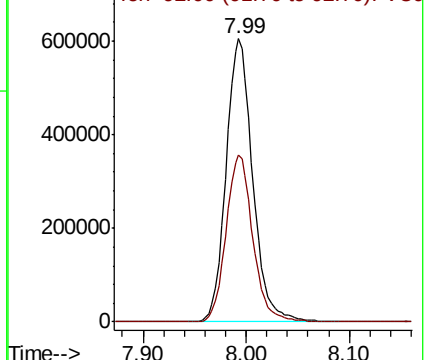
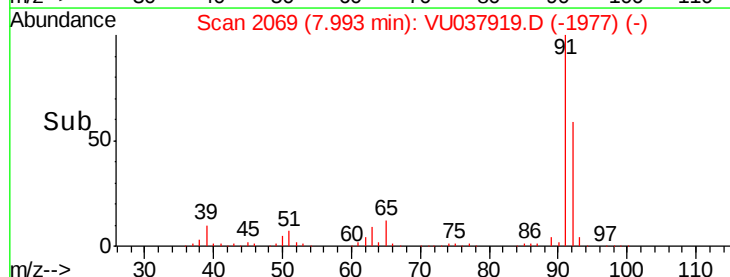
91 100

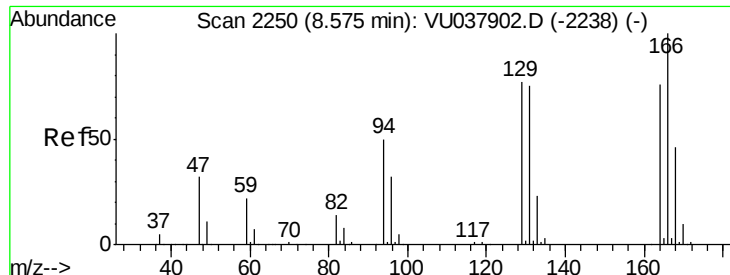
92 59.2 41.2 76.6



Abundance Ion 91.00 (90.70 to 91.70): VU037919.D (-1977) (-)

Ion 92.00 (91.70 to 92.70): VU037919.D (-1977) (-)





#46

Tetrachloroethene

Concen: 141.657 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU037919.D

Acq: 29 Apr 2020 18:06

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:164 Resp: 502812

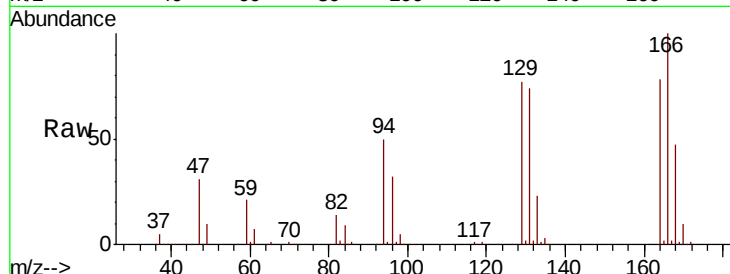
Ion Ratio Lower Upper

164 100

129 97.9 67.3 125.1

131 94.2 64.8 120.4

166 127.8 88.5 164.4



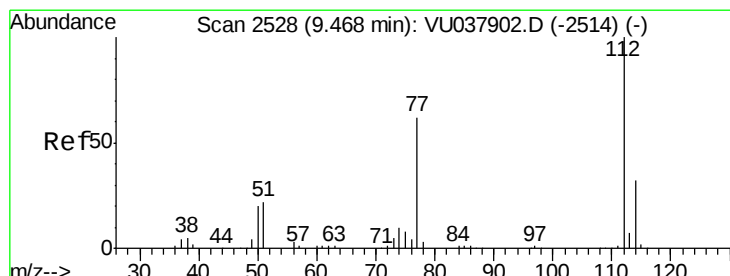
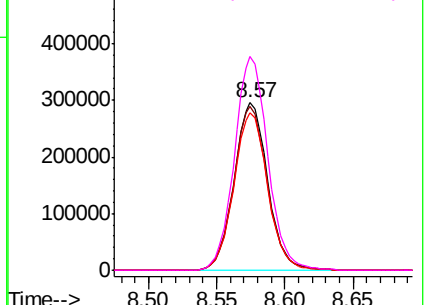
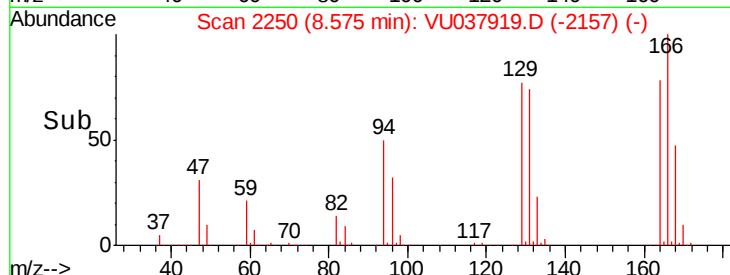
Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#51

Chlorobenzene

Concen: 51.384 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. -0.00 min

Lab File: VU037919.D

Acq: 29 Apr 2020 18:06

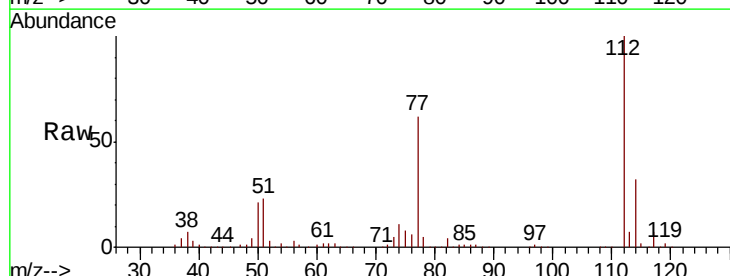
Tgt Ion:112 Resp: 663432

Ion Ratio Lower Upper

112 100

114 31.5 22.3 41.3

77 61.6 49.8 74.6

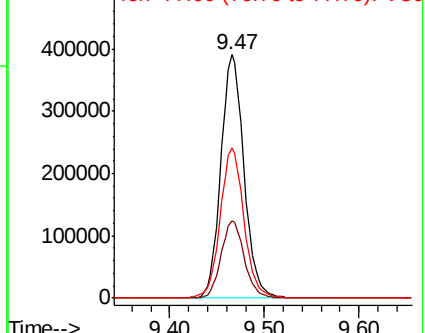
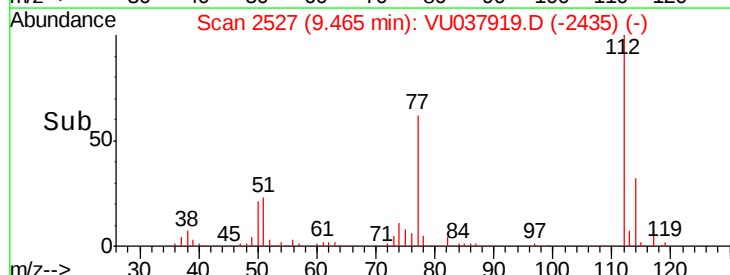


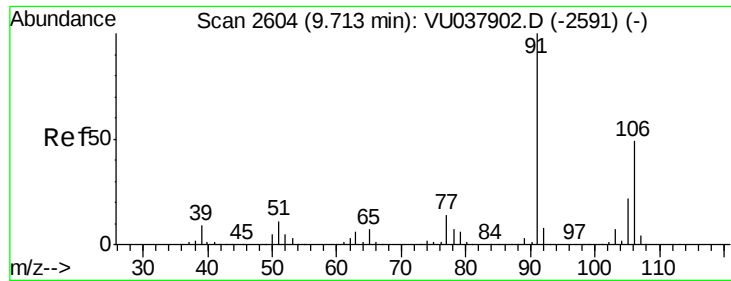
Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V





#53

m,p-Xylene

Concen: 3.315 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VU037919.D

Acq: 29 Apr 2020 18:06

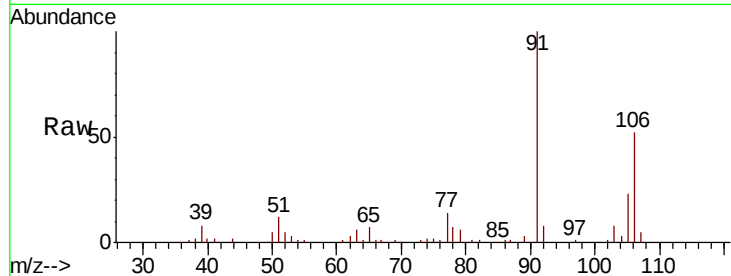
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 29012

Ion Ratio Lower Upper

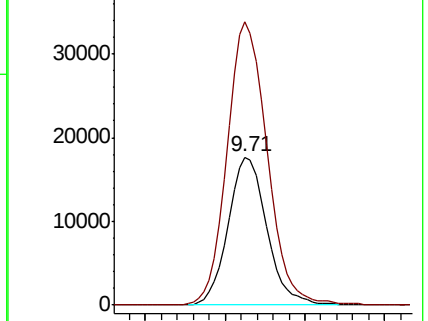
106 100

91 191.4 142.8 265.2

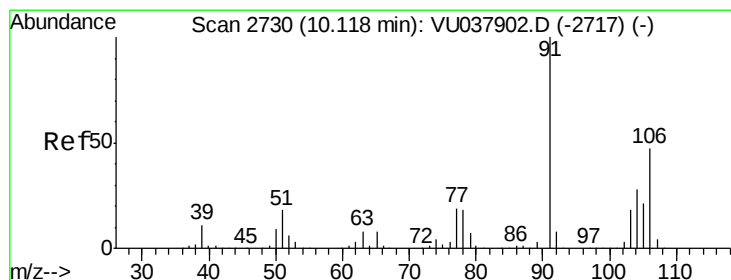
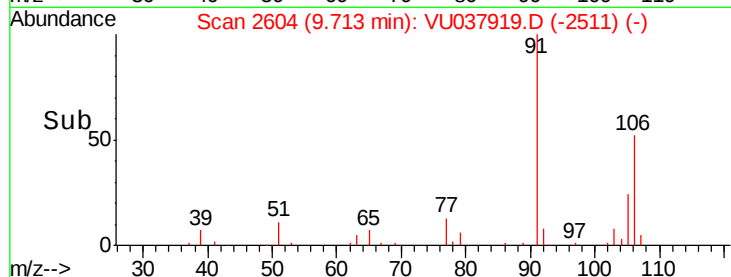


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



Time-->



#54

o-xylene

Concen: 4.580 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VU037919.D

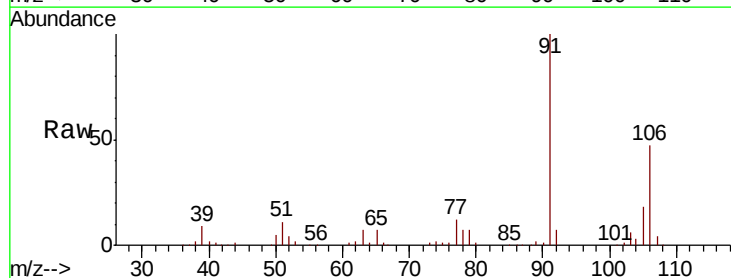
Acq: 29 Apr 2020 18:06

Tgt Ion:106 Resp: 39203

Ion Ratio Lower Upper

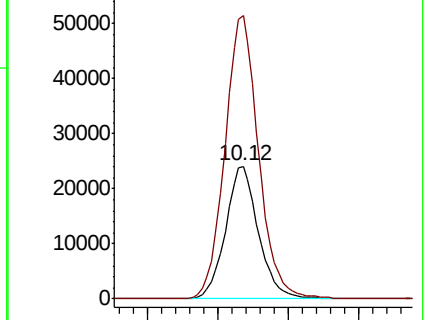
106 100

91 213.5 150.6 279.6

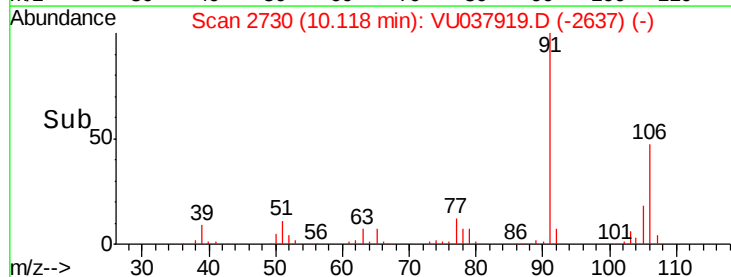


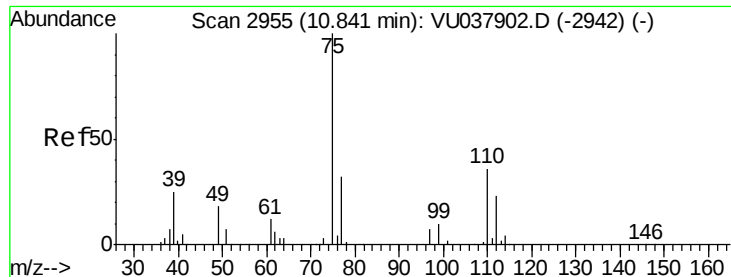
Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



Time-->





#59

1,2,3-Trichloropropane

Concen: 5.732 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU037919.D

Acq: 29 Apr 2020 18:06

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 41633

Ion Ratio Lower Upper

75 100

77 36.3 25.8 38.6

