

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072120\
 Data File : VU039608.D
 Acq On : 21 Jul 2020 19:38
 Operator : SY/MD
 Sample : L3347-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 22 02:07:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 22 02:01:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	117075	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	110923	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	50258	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	34720	6.39	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	127.80%
7) Chloroethane-d5	1.92	69	34800	5.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	117.40%
11) 1,1-Dichloroethene-d2	2.58	63	54468	4.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.20%
20) 2-Butanone-d5	4.66	46	126835	51.74	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.48%
24) Chloroform-d	5.08	84	66416	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
26) 1,2-Dichloroethane-d4	5.72	65	44395	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.60%
32) Benzene-d6	5.75	84	139465	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.60%
36) 1,2-Dichloropropane-d6	6.71	67	45814	5.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.40%
41) Toluene-d8	7.91	98	123829	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
43) trans-1,3-Dichloropropene-	8.19	79	17481	4.58	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.60%
46) 2-Hexanone-d5	8.64	63	91119	48.83	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.66%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	37336	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	45989	5.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	1986	0.347 ug/L	94
3) Chloromethane	1.53	50	1088	0.175 ug/L	88
13) Acetone	2.66	43	20372	14.935 ug/L	87
15) Methyl Acetate	2.98	43	1922	0.577 ug/L #	56
16) Methylene chloride	3.06	84	865	0.108 ug/L #	67
17) Methyl tert-butyl Ether	3.38	73	4506	0.256 ug/L #	11
25) Chloroform	5.11	83	10113	0.703 ug/L	94
30) Cyclohexane	5.41	56	2299	0.223 ug/L #	82
33) Benzene	5.79	78	7069	0.265 ug/L	100
35) Methylcyclohexane	6.78	83	1060	0.098 ug/L #	61
37) 1,2-Dichloropropane	6.71	63	5244	0.707 ug/L #	90
39) cis-1,3-Dichloropropene	7.58	75	1527	0.143 ug/L #	46
42) Toluene	7.98	91	16282	0.558 ug/L	99
48) 2-Hexanone	8.69	43	4048	0.944 ug/L #	76
52) Ethylbenzene	9.57	91	6469	0.195 ug/L	97
53) m,p-Xylene	9.70	106	8548	0.690 ug/L	97
54) o-Xylene	10.10	106	3129	0.259 ug/L	88

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072120\
Data File : VU039608.D
Acq On : 21 Jul 2020 19:38
Operator : SY/MD
Sample : L3347-08
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jul 22 02:07:35 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 22 02:01:33 2020
Response via : Initial Calibration

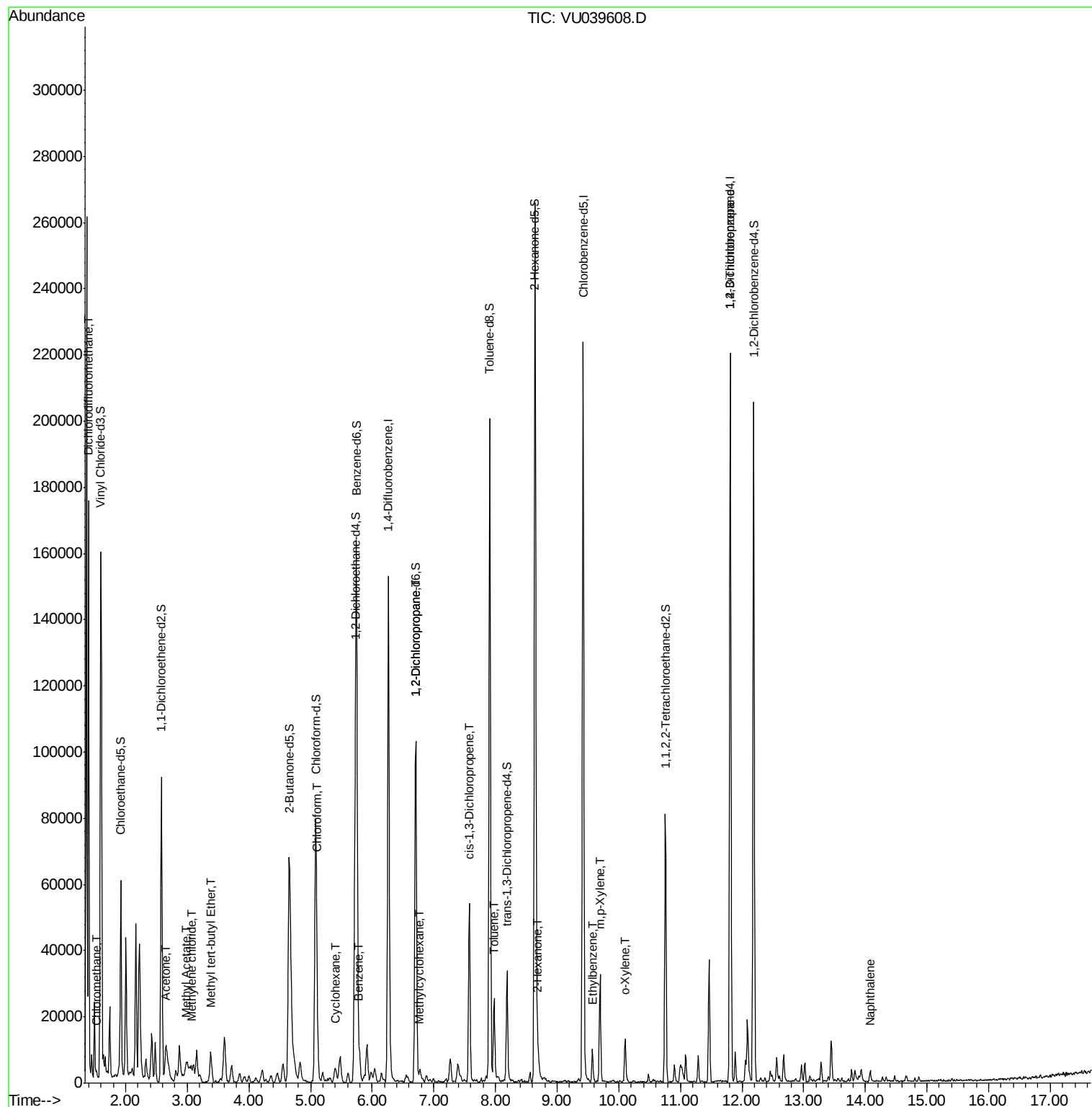
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.81	75	7915	1.455	ug/L #	87
69) Naphthalene	14.08	128	3095	0.226	ug/L	98

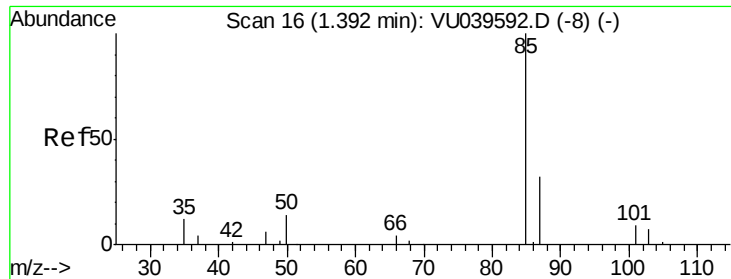
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU072120\
Data File : VU039608.D
Acq On : 21 Jul 2020 19:38
Operator : SY/MD
Sample : L3347-08
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jul 22 02:07:35 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 22 02:01:33 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.347 ug/L

RT: 1.40 min Scan# 18

Delta R.T. 0.01 min

Lab File: VU039608.D

Acq: 21 Jul 2020 19:38

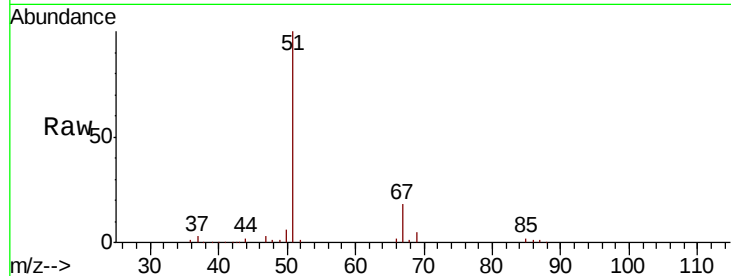
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 1986

Ion Ratio Lower Upper

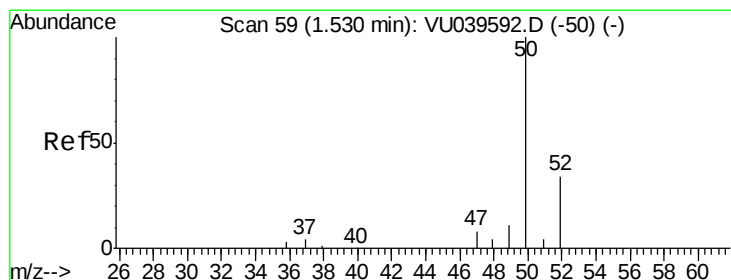
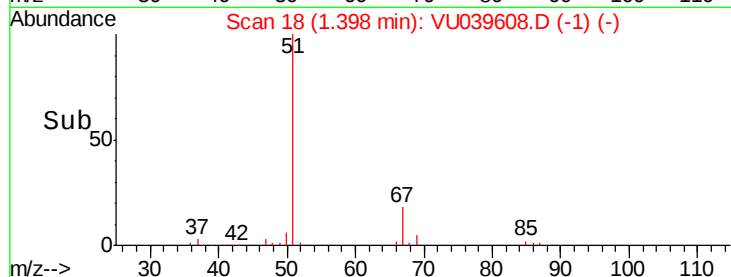
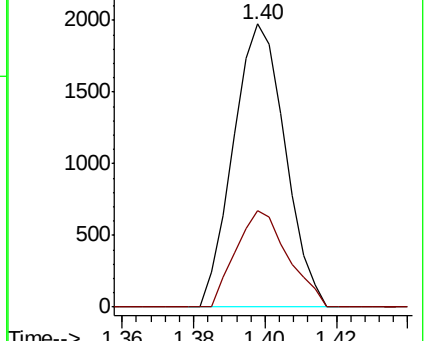
85 100

87 34.1 24.5 36.7



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 0.175 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039608.D

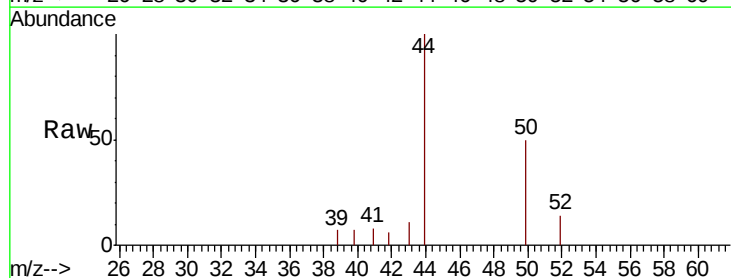
Acq: 21 Jul 2020 19:38

Tgt Ion: 50 Resp: 1088

Ion Ratio Lower Upper

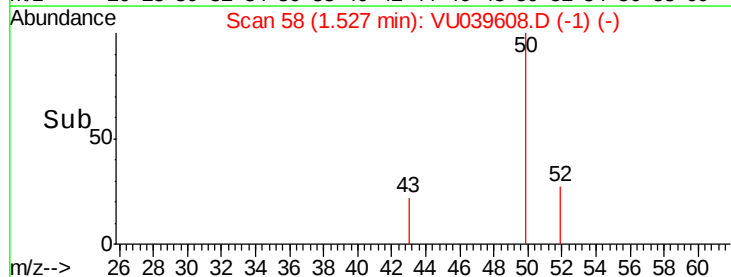
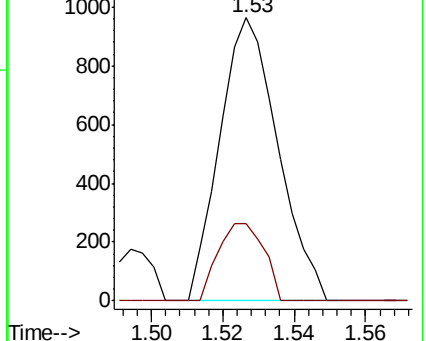
50 100

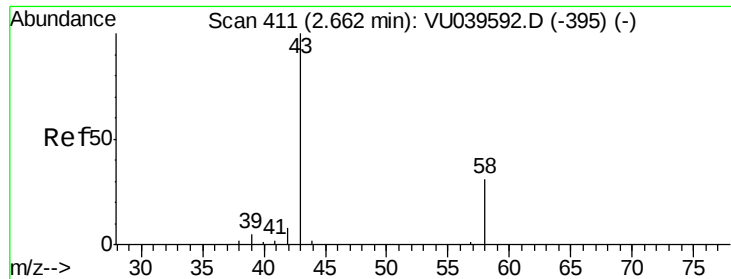
52 27.2 23.9 44.5



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#13

Acetone

Concen: 14.935 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU039608.D

Acq: 21 Jul 2020 19:38

Instrument :

MSVOA_U

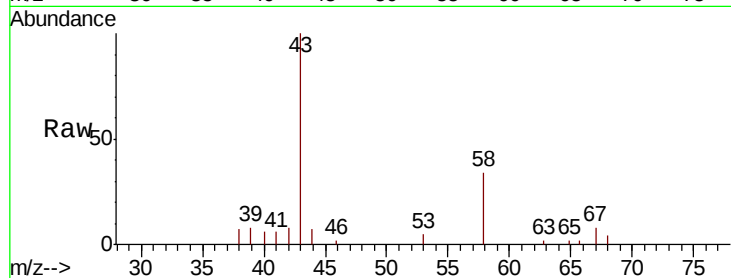
ClientSampleId :

Tot Ion: 43 Resp: 20372

Ion Ratio Lower Upper

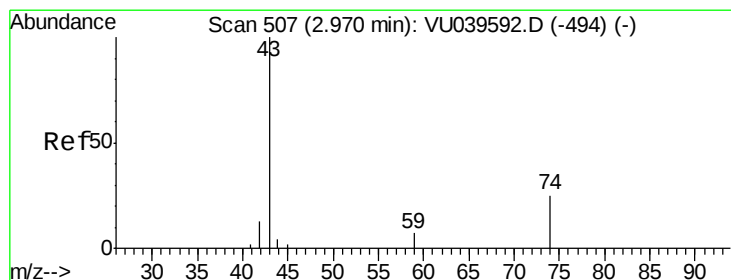
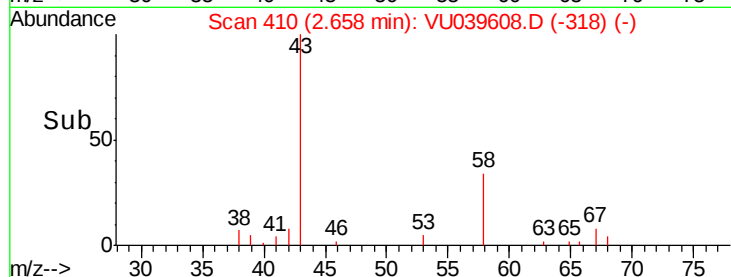
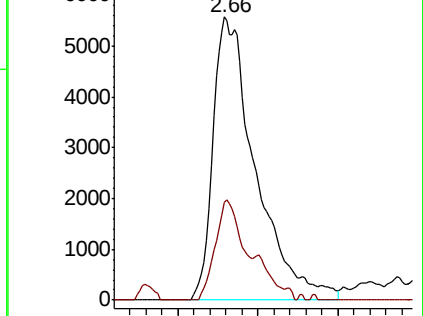
43 100

58 22.5 0.0 59.0



Abundance Ion 43.05 (42.75 to 43.75): VU039592.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VU039592.D (-395) (-)



#15

Methyl Acetate

Concen: 0.577 ug/L

RT: 2.98 min Scan# 511

Delta R.T. 0.01 min

Lab File: VU039608.D

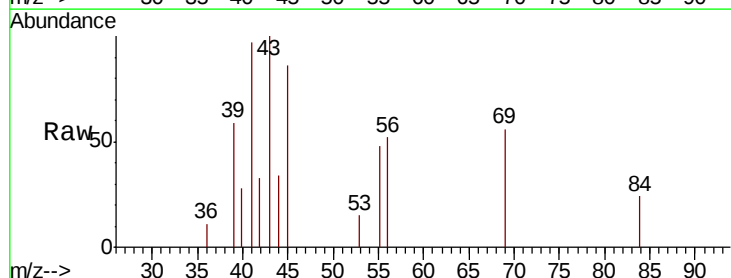
Acq: 21 Jul 2020 19:38

Tgt Ion: 43 Resp: 1922

Ion Ratio Lower Upper

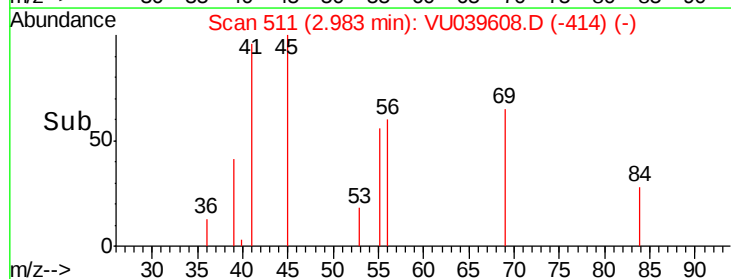
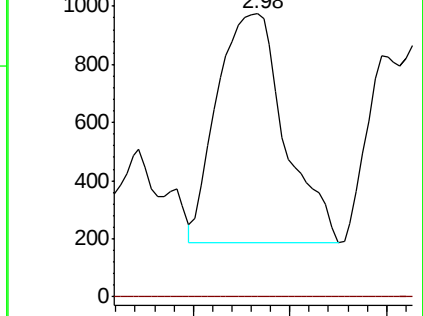
43 100

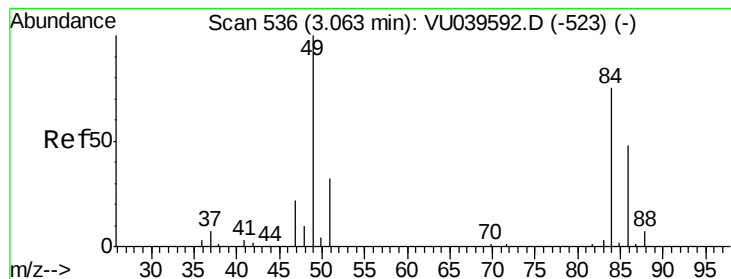
74 0.0 16.6 24.8#



Abundance Ion 43.05 (42.75 to 43.75): VU039592.D (-494) (-)

Ion 74.05 (73.75 to 74.75): VU039592.D (-494) (-)





#16

Methylene chloride

Concen: 0.108 ug/L

RT: 3.06 min Scan# 536

Delta R.T. -0.00 min

Lab File: VU039608.D

Acq: 21 Jul 2020 19:38

Instrument :

MSVOA_U

ClientSampleId :

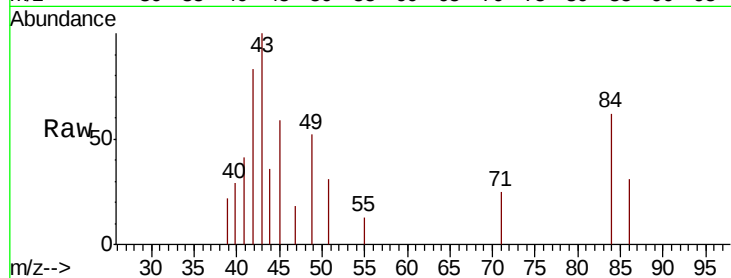
Tot Ion: 84 Resp: 865

Ion Ratio Lower Upper

84 100

86 49.8 43.8 81.4

49 84.1 92.7 172.3#

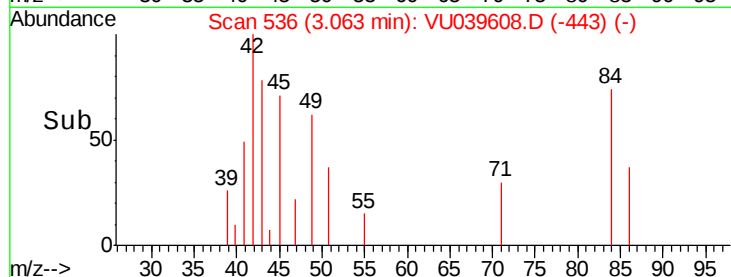


Abundance Ion 84.05 (83.75 to 84.75): VU039592.D (-523) (-)

Ion 86.00 (85.70 to 86.70): VU039592.D (-523) (-)

Ion 49.10 (48.80 to 49.80): VU039592.D (-523) (-)

Time-->

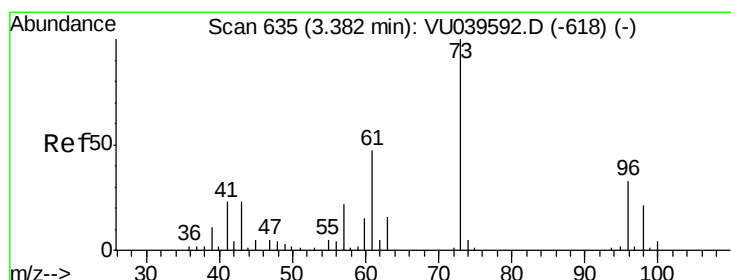


Abundance Ion 84.05 (83.75 to 84.75): VU039608.D (-443) (-)

Ion 86.00 (85.70 to 86.70): VU039608.D (-443) (-)

Ion 49.10 (48.80 to 49.80): VU039608.D (-443) (-)

Time-->



#17

Methyl tert-butyl Ether

Concen: 0.256 ug/L

RT: 3.38 min Scan# 635

Delta R.T. -0.00 min

Lab File: VU039608.D

Acq: 21 Jul 2020 19:38

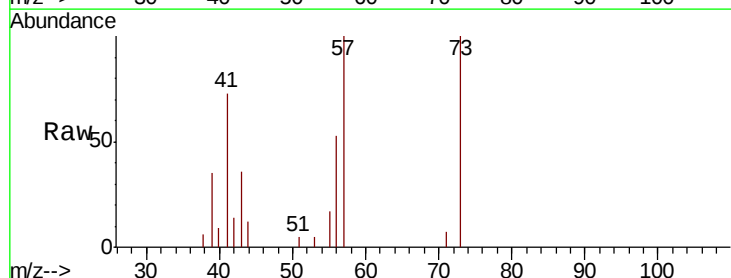
Tgt Ion: 73 Resp: 4506

Ion Ratio Lower Upper

73 100

43 38.2 18.2 27.4#

57 93.2 17.9 26.9#

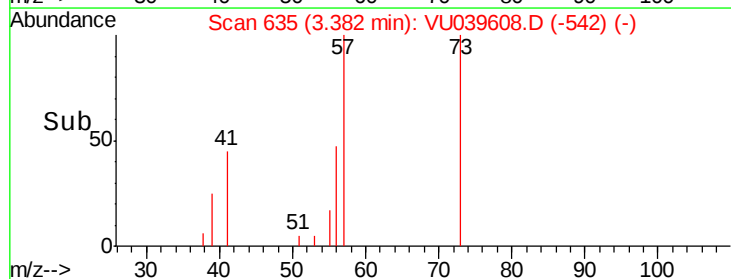


Abundance Ion 73.10 (72.80 to 73.80): VU039592.D (-618) (-)

Ion 43.05 (42.75 to 43.75): VU039592.D (-618) (-)

Ion 57.10 (56.80 to 57.80): VU039592.D (-618) (-)

Time-->

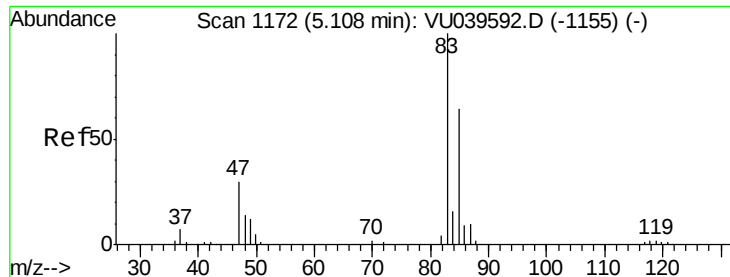


Abundance Ion 73.10 (72.80 to 73.80): VU039608.D (-542) (-)

Ion 43.05 (42.75 to 43.75): VU039608.D (-542) (-)

Ion 57.10 (56.80 to 57.80): VU039608.D (-542) (-)

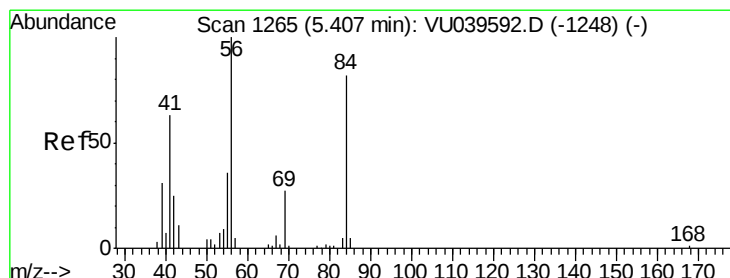
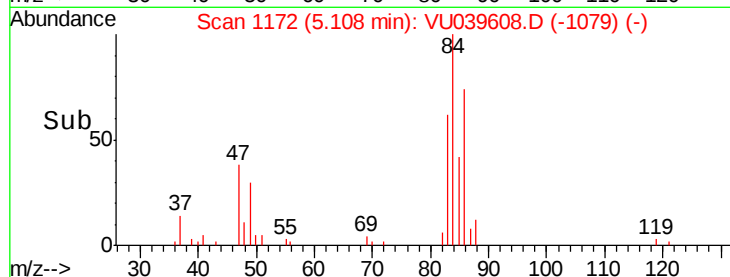
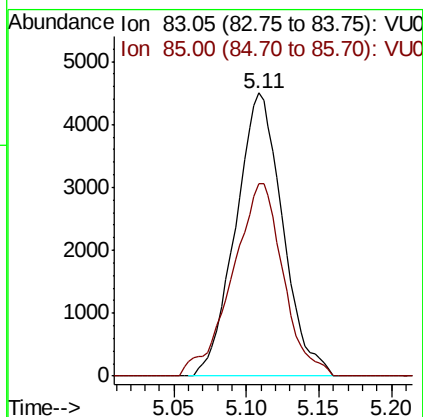
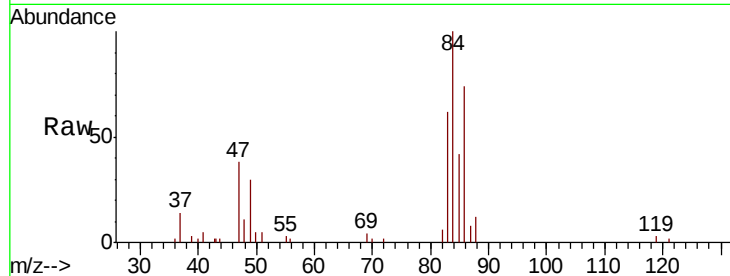
Time-->



#25
Chloroform
Concen: 0.703 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VU039608.D
Acq: 21 Jul 2020 19:38

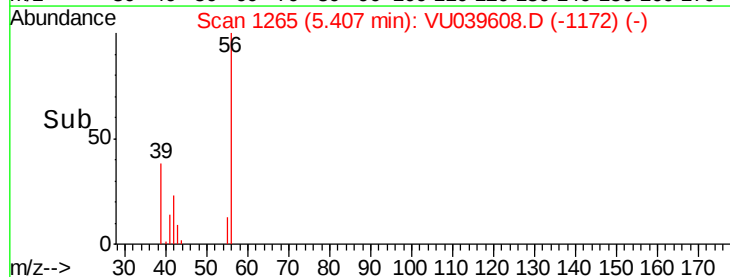
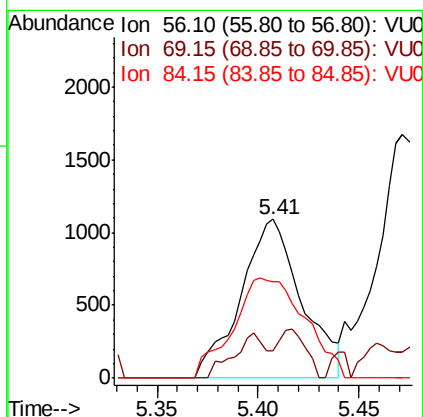
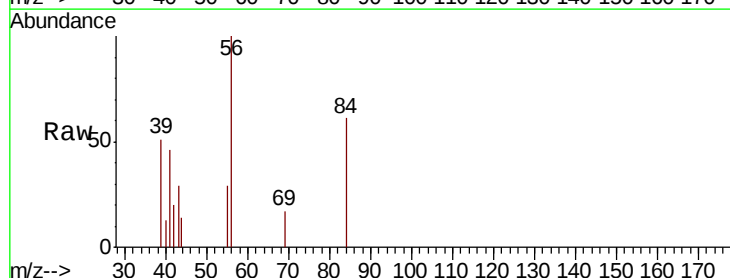
Instrument :
MSVOA_U
ClientSampleId :

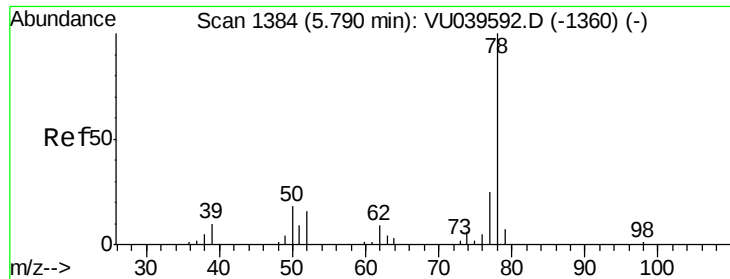
Tot Ion: 83 Resp: 10113
Ion Ratio Lower Upper
83 100
85 67.8 44.4 82.5



#30
Cyclohexane
Concen: 0.223 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VU039608.D
Acq: 21 Jul 2020 19:38

Tgt Ion: 56 Resp: 2299
Ion Ratio Lower Upper
56 100
69 14.3 24.0 36.0#
84 73.9 69.8 104.6

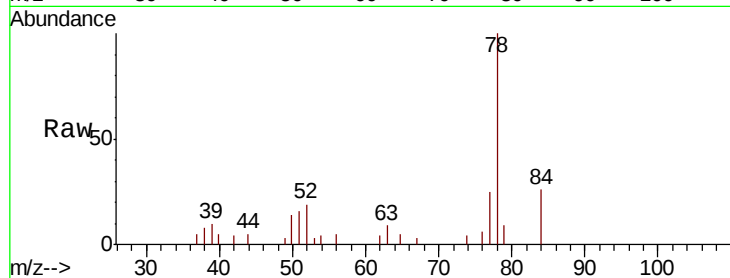




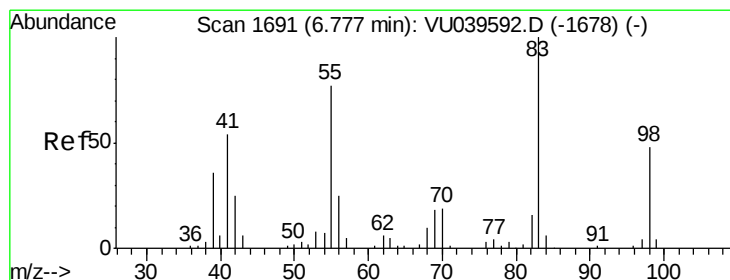
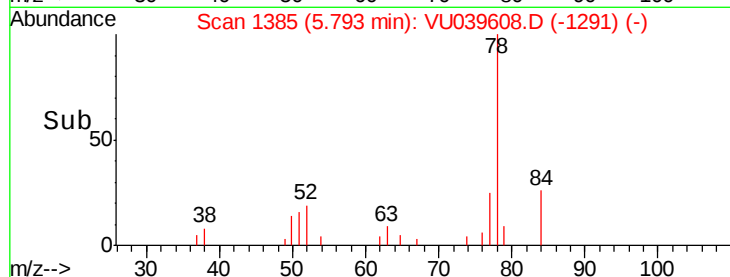
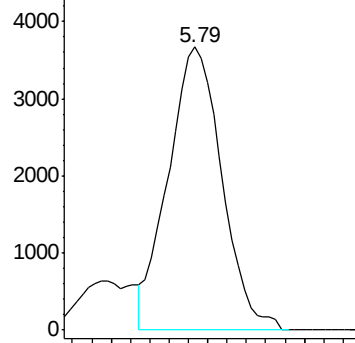
#33
Benzene
Concen: 0.265 ug/L
RT: 5.79 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VU039608.D
Acq: 21 Jul 2020 19:38

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 78 Resp: 7069

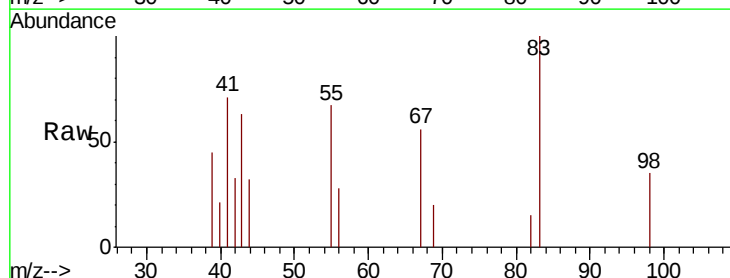


Abundance Ion 78.10 (77.80 to 78.80): VU0



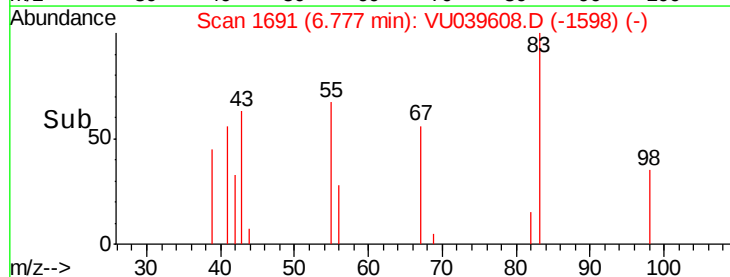
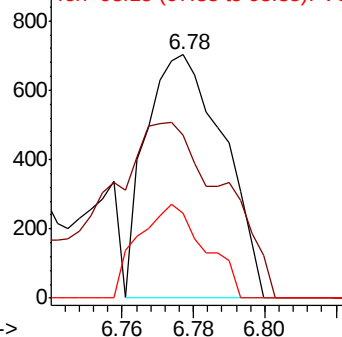
#35
Methylcyclohexane
Concen: 0.098 ug/L
RT: 6.78 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU039608.D
Acq: 21 Jul 2020 19:38

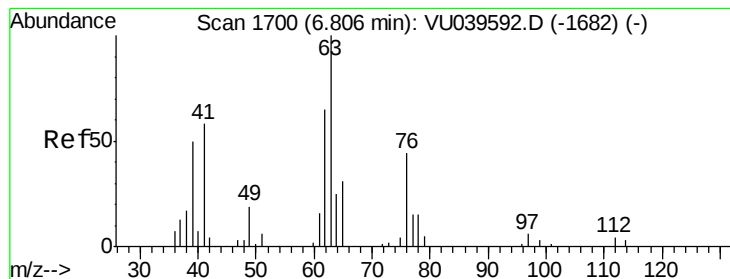
Tgt Ion: 83 Resp: 1060
Ion Ratio Lower Upper
83 100
55 123.3 63.0 94.6#
98 33.0 35.3 52.9#



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: 0.707 ug/L

RT: 6.71 min Scan# 1669

Delta R.T. -0.10 min

Lab File: VU039608.D

Acq: 21 Jul 2020 19:38

Instrument :

MSVOA_U

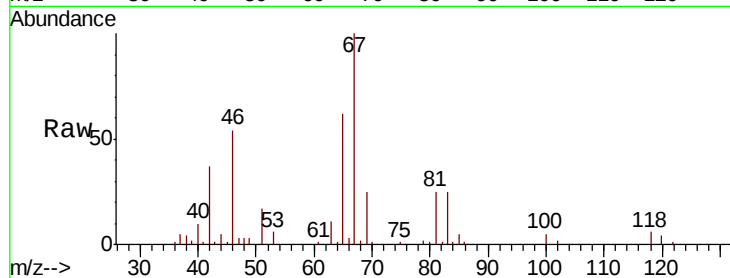
ClientSampleId :

Tot Ion: 63 Resp: 5244

Ion Ratio Lower Upper

63 100

112 0.0 2.7 4.1#



Abundance Ion 63.10 (62.80 to 63.80): VU039592.D (-1682) (-)

Ion 112.10 (111.80 to 112.80): VU039592.D (-1682) (-)

3000

2500

2000

1500

1000

500

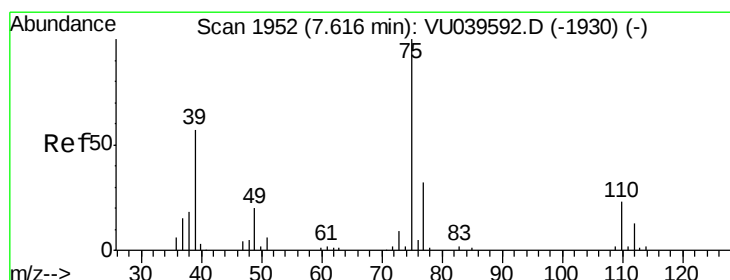
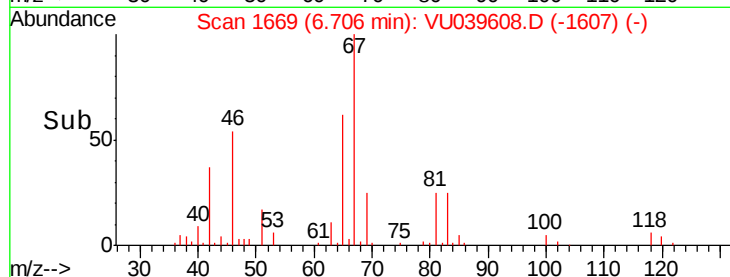
0

6.65

6.70

6.75

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.143 ug/L

RT: 7.58 min Scan# 1940

Delta R.T. -0.04 min

Lab File: VU039608.D

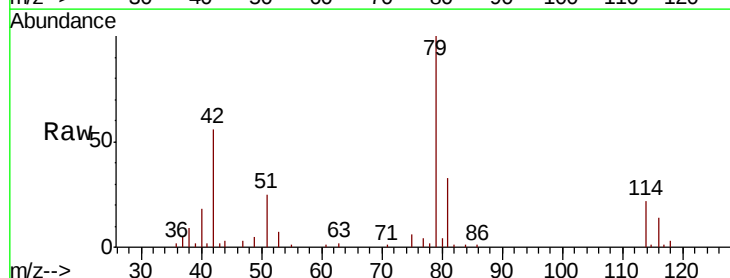
Acq: 21 Jul 2020 19:38

Tgt Ion: 75 Resp: 1527

Ion Ratio Lower Upper

75 100

77 63.8 23.2 43.0#



Abundance Ion 75.05 (74.75 to 75.75): VU039592.D (-1930) (-)

Ion 77.05 (76.75 to 77.75): VU039592.D (-1930) (-)

1000

800

600

400

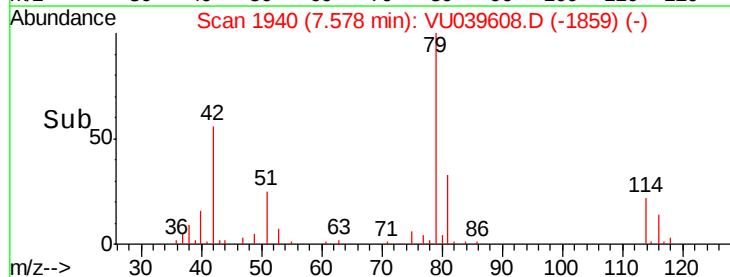
200

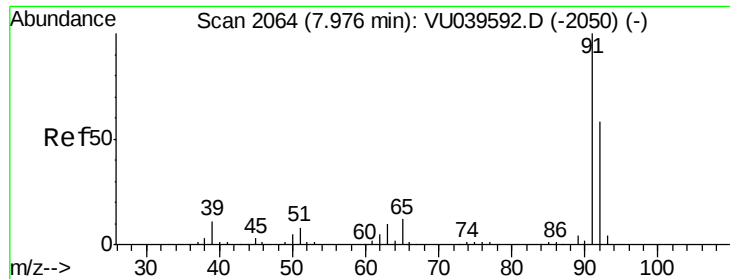
0

7.55

7.60

Time-->





#42

Toluene

Concen: 0.558 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039608.D

Acq: 21 Jul 2020 19:38

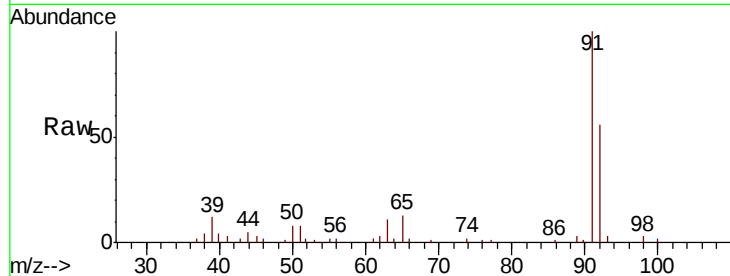
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 16282

Ion Ratio Lower Upper

91 100

92 55.7 38.6 71.6



Abundance Ion 91.15 (90.85 to 91.85): VU039592.D (-2050) (-)

Ion 92.15 (91.85 to 92.85): VU039592.D (-2050) (-)

7.98

10000

8000

6000

4000

2000

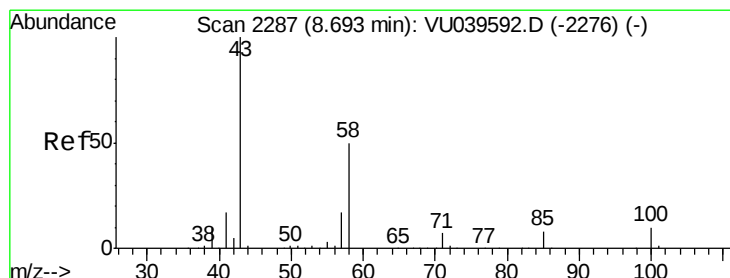
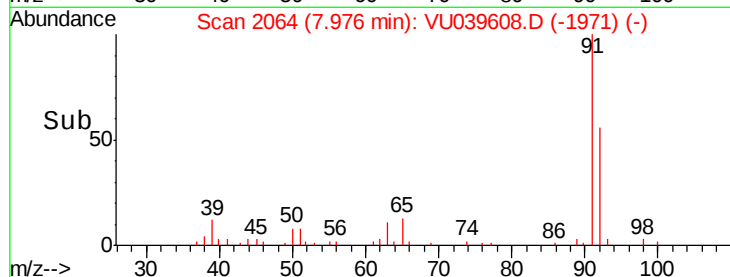
0

7.95

8.00

8.05

Time-->



#48

2-Hexanone

Concen: 0.944 ug/L

RT: 8.69 min Scan# 2287

Delta R.T. -0.00 min

Lab File: VU039608.D

Acq: 21 Jul 2020 19:38

Tgt Ion: 43 Resp: 4048

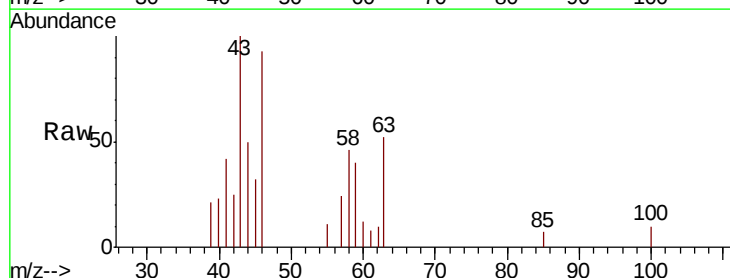
Ion Ratio Lower Upper

43 100

58 33.2 40.9 61.3#

57 6.6 14.6 21.8#

100 6.3 7.9 11.9#



Abundance Ion 43.05 (42.75 to 43.75): VU039592.D (-2276) (-)

Ion 58.05 (57.75 to 58.75): VU039592.D (-2276) (-)

Ion 57.20 (56.90 to 57.90): VU039592.D (-2276) (-)

Ion 100.15 (99.85 to 100.85): VU039592.D (-2276) (-)

8.69

10000

8000

6000

4000

2000

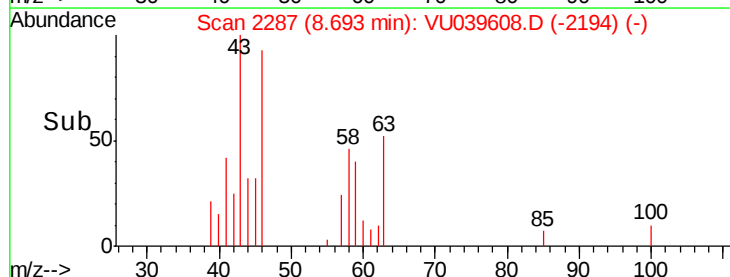
0

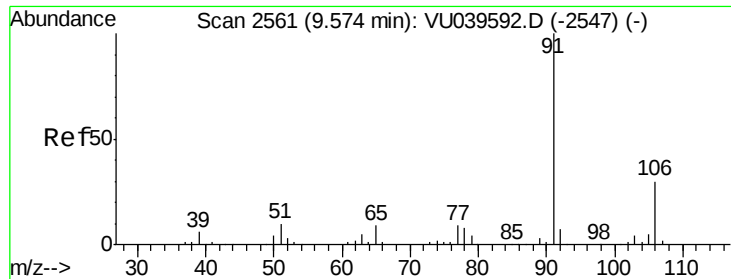
8.65

8.70

8.75

Time-->





#52

Ethylbenzene

Concen: 0.195 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. -0.00 min

Lab File: VU039608.D

Acq: 21 Jul 2020 19:38

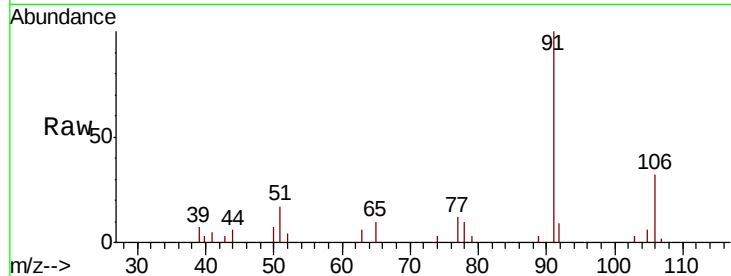
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 6469

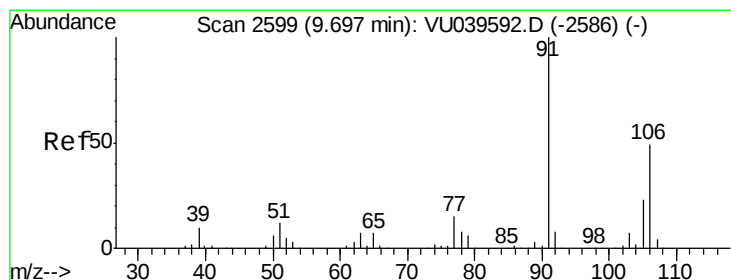
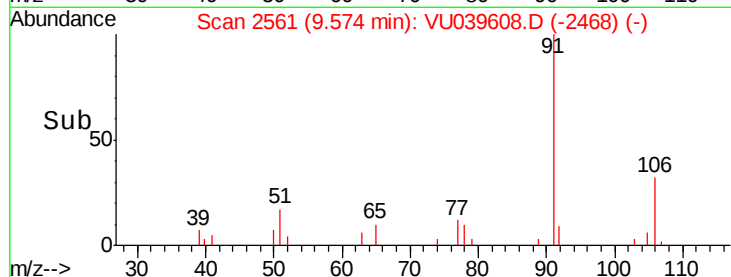
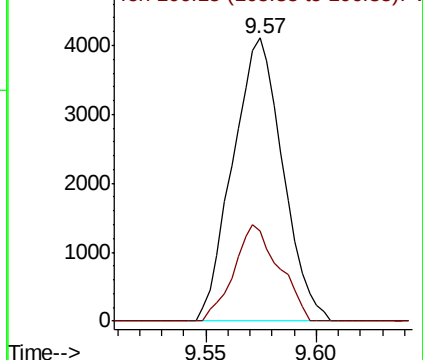
Ion Ratio Lower Upper

91 100

106 31.9 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU039592.D (-2547) (-)



#53

m,p-Xylene

Concen: 0.690 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU039608.D

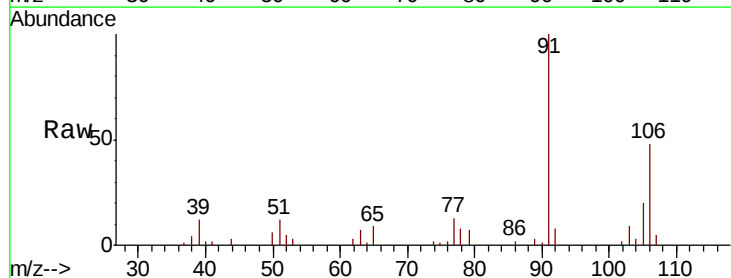
Acq: 21 Jul 2020 19:38

Tgt Ion: 106 Resp: 8548

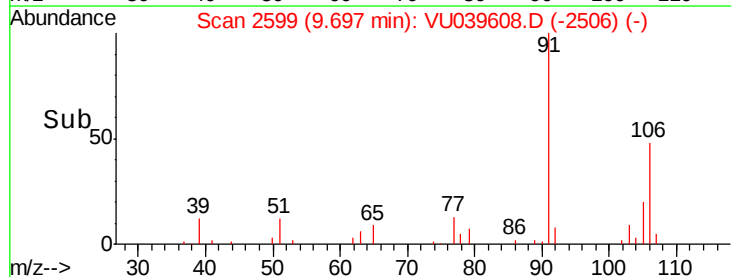
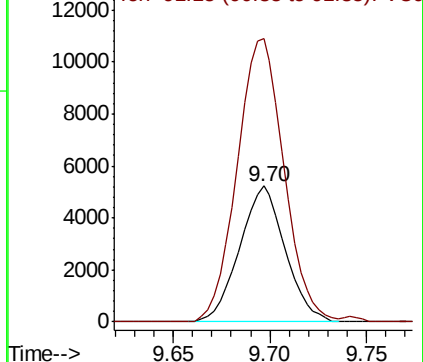
Ion Ratio Lower Upper

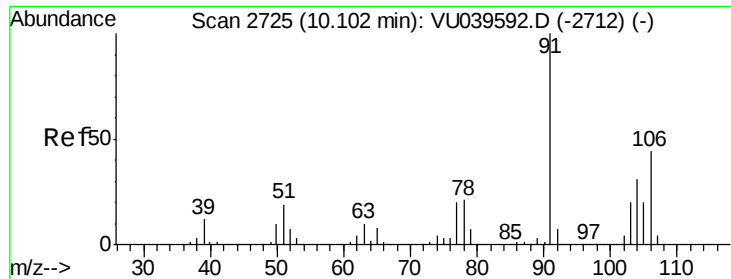
106 100

91 208.7 149.3 277.3



Abundance Ion 106.15 (105.85 to 106.85): VU039592.D (-2586) (-)

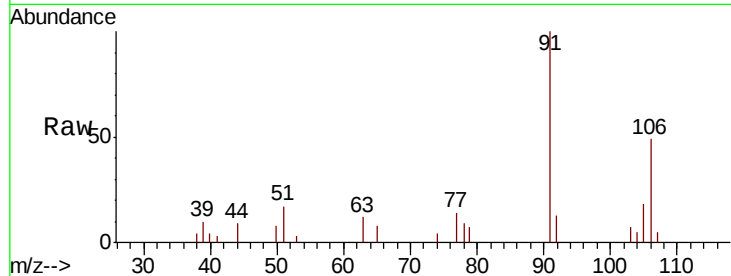




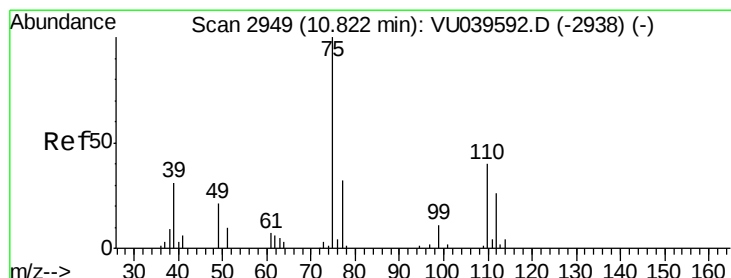
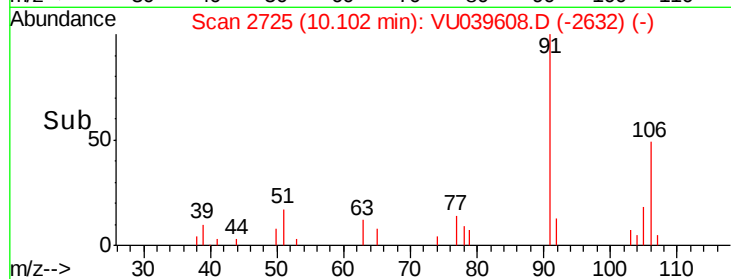
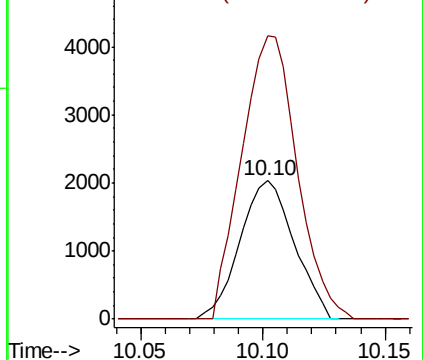
#54
o-Xylene
Concen: 0.259 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU039608.D
Acq: 21 Jul 2020 19:38

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 3129
Ion Ratio Lower Upper
106 100
91 204.6 157.4 292.4

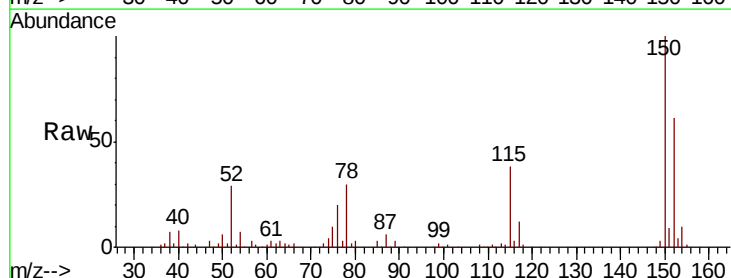


Abundance Ion 106.15 (105.85 to 106.85): VU039592.D (-2712) (-)
Ion 91.15 (90.85 to 91.85): VU039592.D (-2712) (-)

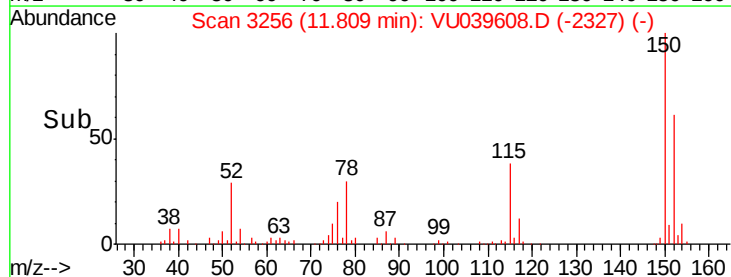
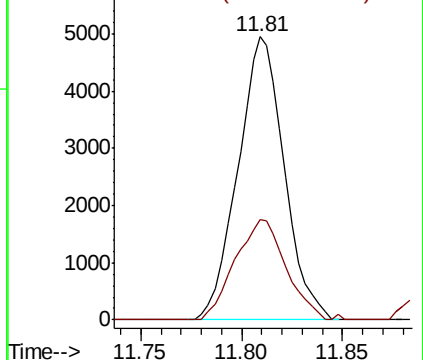


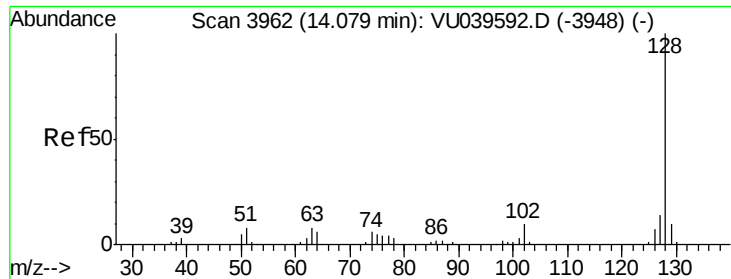
#59
1,2,3-Trichloropropane
Concen: 1.455 ug/L
RT: 11.81 min Scan# 3256
Delta R.T. 0.99 min
Lab File: VU039608.D
Acq: 21 Jul 2020 19:38

Tgt Ion: 75 Resp: 7915
Ion Ratio Lower Upper
75 100
77 39.0 25.5 38.3#



Abundance Ion 75.00 (74.70 to 75.70): VU039592.D (-2938) (-)
Ion 77.00 (76.70 to 77.70): VU039592.D (-2938) (-)





#69

Naphthalene

Concen: 0.226 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. -0.00 min

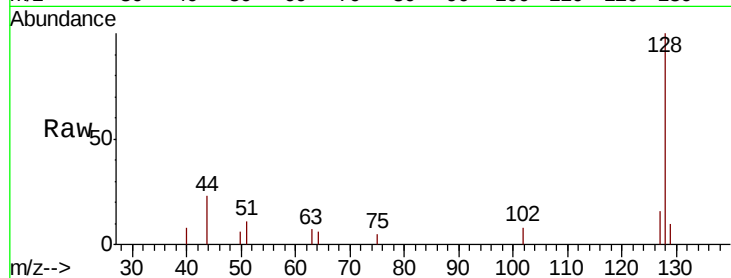
Lab File: VU039608.D

Acq: 21 Jul 2020 19:38

Instrument :

MSVOA_U

ClientSampleId :



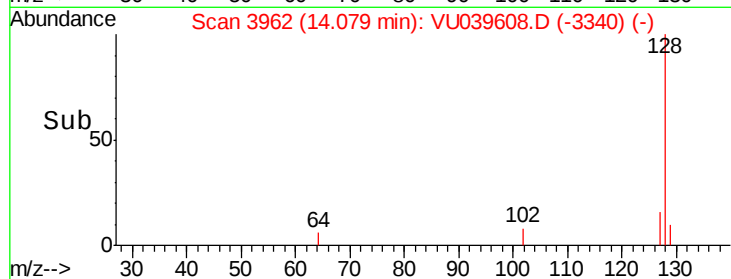
Tot Ion:128 Resp: 3095

Ion Ratio Lower Upper

128 100

129 9.2 8.6 12.8

127 13.4 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

