

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102120\
 Data File : VU040907.D
 Acq On : 22 Oct 2020 15:16
 Operator : SY/MD
 Sample : L4447-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ57

Quant Time: Oct 22 23:26:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 22 23:17:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	214530	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	226147	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	95953	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	60788	4.13	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.60%
7) Chloroethane-d5	1.92	69	59614	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.00%
11) 1,1-Dichloroethene-d2	2.58	63	94873	3.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.60%
20) 2-Butanone-d5	4.65	46	293460	56.20	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.40%
24) Chloroform-d	5.08	84	150083	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
26) 1,2-Dichloroethane-d4	5.72	65	93406	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.20%
32) Benzene-d6	5.75	84	256505	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.60%
36) 1,2-Dichloropropane-d6	6.70	67	94441	4.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.80%
41) Toluene-d8	7.91	98	196829	3.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.80%
43) trans-1,3-Dichloropropene-	8.19	79	34604	4.30	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.00%
46) 2-Hexanone-d5	8.64	63	208510	51.49	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.98%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	88445	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	81268	4.82	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	1837	0.078	ug/L	96
13) Acetone	2.65	43	46625	12.704	ug/L	99
15) Methyl Acetate	2.97	43	1980	0.213	ug/L #	65
16) Methylene chloride	3.06	84	6760	0.350	ug/L	94
21) 2-Butanone	4.74	43	5254	0.950	ug/L	97
27) 1,2-Dichloroethane	5.81	62	44766	1.960	ug/L	98
34) Trichloroethene	6.27	95	3821	0.207	ug/L #	6
35) Methylcyclohexane	6.70	83	21855	0.789	ug/L #	15
37) 1,2-Dichloropropane	6.70	63	10575	0.539	ug/L #	92
39) cis-1,3-Dichloropropene	7.57	75	3032	0.116	ug/L #	78
40) 4-Methyl-2-pentanone	7.80	43	8886	0.675	ug/L #	83
44) trans-1,3-Dichloropropene	8.19	75	1779	0.075	ug/L #	79
52) Ethylbenzene	9.57	91	11024	0.140	ug/L	95
53) m,p-Xylene	9.69	106	14679	0.519	ug/L	100
54) o-Xylene	10.10	106	7766	0.289	ug/L	83
59) 1,2,3-Trichloropropane	11.81	75	13811	1.083	ug/L	99

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 22 23:17:57 2020
Response via : Initial Calibration

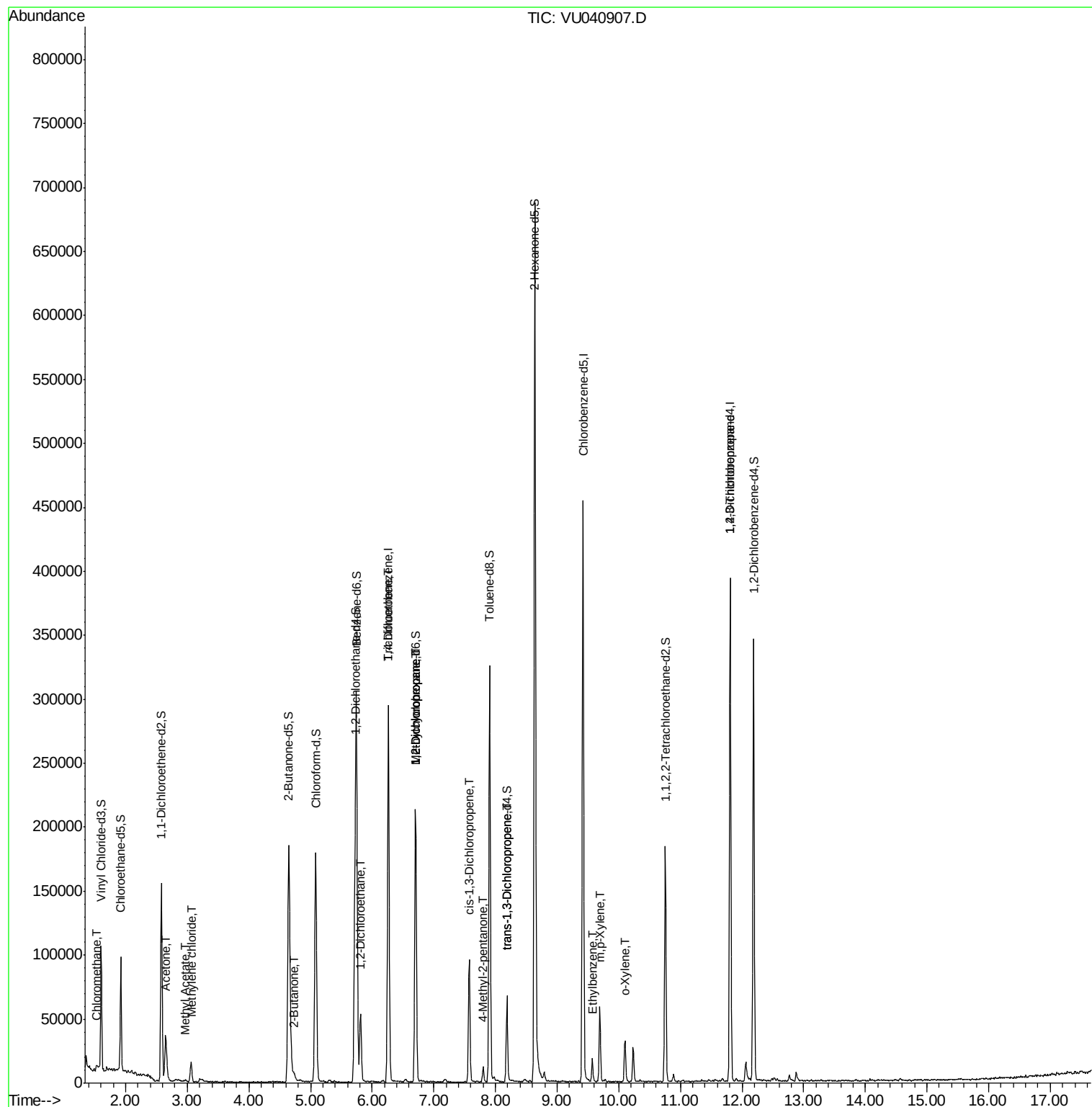
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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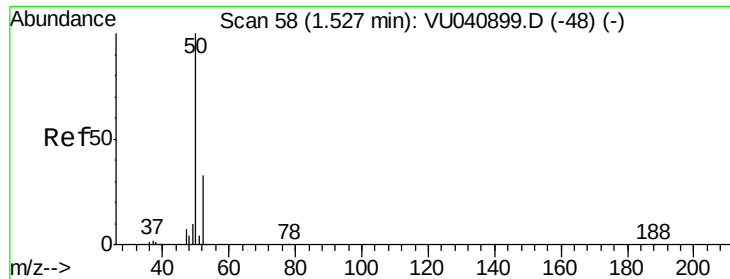
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.078 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040907.D

Acq: 22 Oct 2020 15:16

Instrument :

MSVOA_U

ClientSampleId :

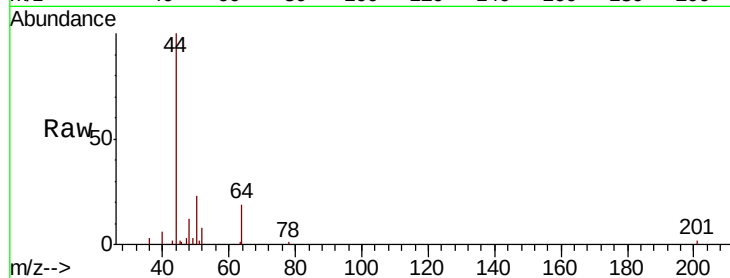
ETZ57

Tot Ion: 50 Resp: 1837

Ion Ratio Lower Upper

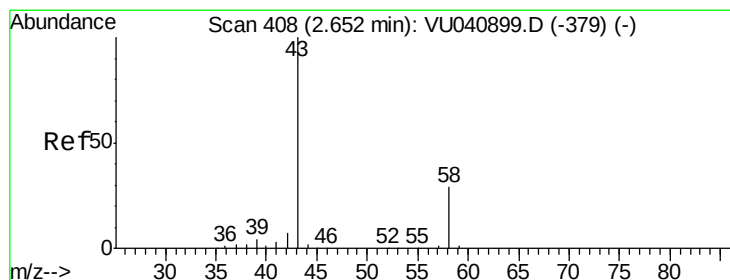
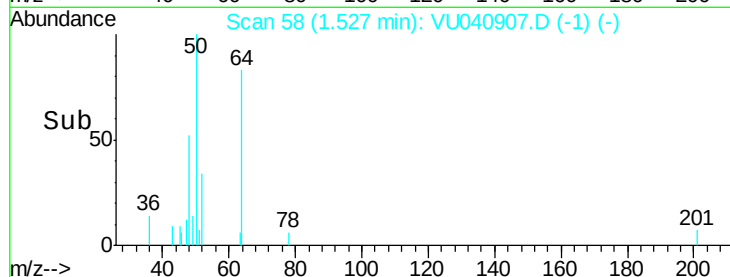
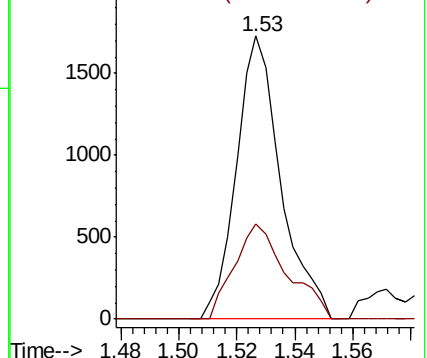
50 100

52 33.6 21.8 40.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#13

Acetone

Concen: 12.704 ug/L

RT: 2.65 min Scan# 407

Delta R.T. -0.00 min

Lab File: VU040907.D

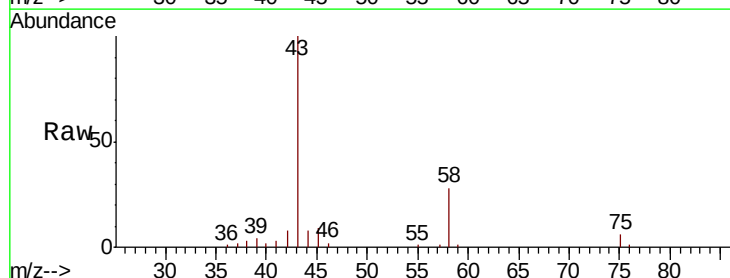
Acq: 22 Oct 2020 15:16

Tgt Ion: 43 Resp: 46625

Ion Ratio Lower Upper

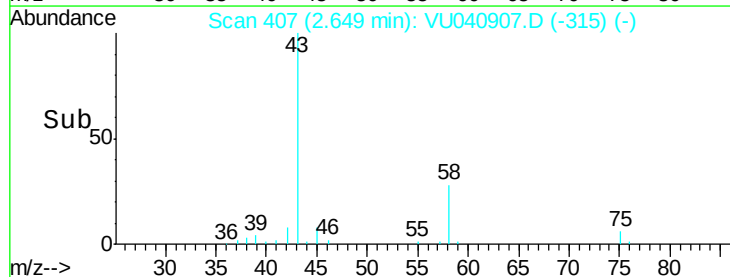
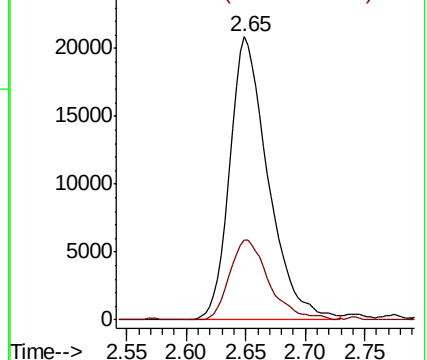
43 100

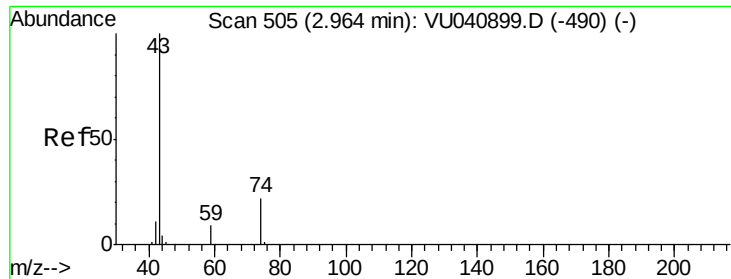
58 28.9 0.0 58.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0





#15

Methyl Acetate

Concen: 0.213 ug/L

RT: 2.97 min Scan# 507

Delta R.T. 0.01 min

Lab File: VU040907.D

Acq: 22 Oct 2020 15:16

Instrument :

MSVOA_U

ClientSampled :

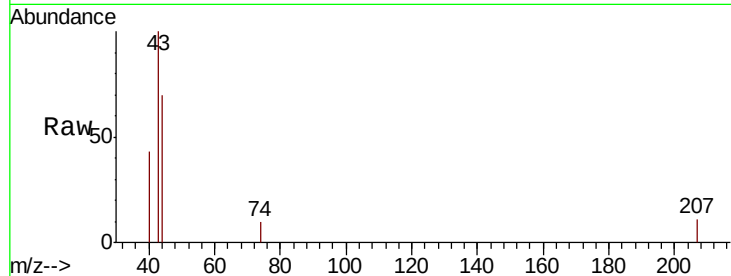
ETZ57

Tot Ion: 43 Resp: 1980

Ion Ratio Lower Upper

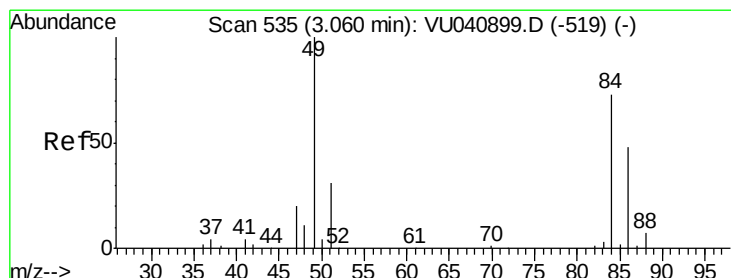
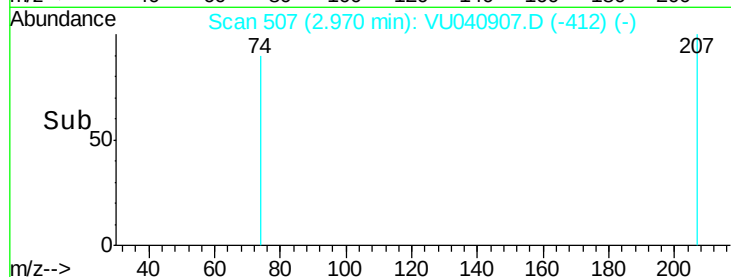
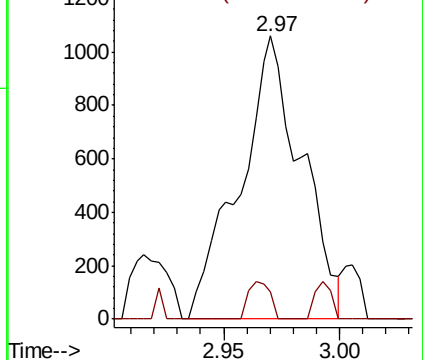
43 100

74 4.7 16.6 25.0#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 0.350 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU040907.D

Acq: 22 Oct 2020 15:16

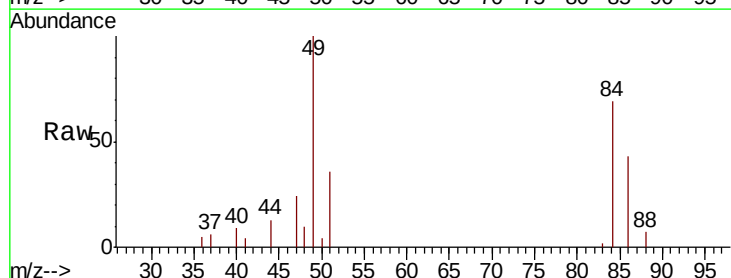
Tgt Ion: 84 Resp: 6760

Ion Ratio Lower Upper

84 100

86 62.5 44.9 83.5

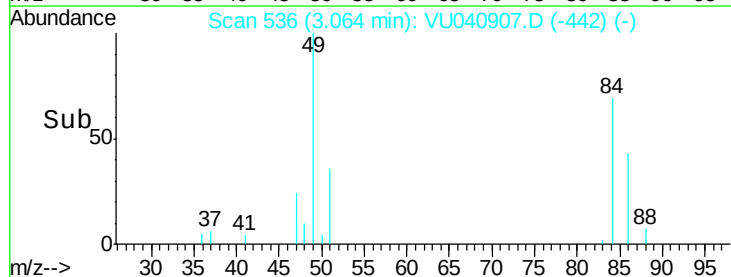
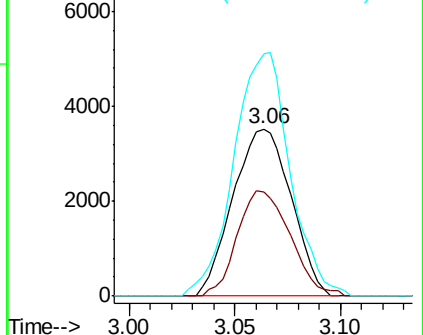
49 145.0 94.7 175.9

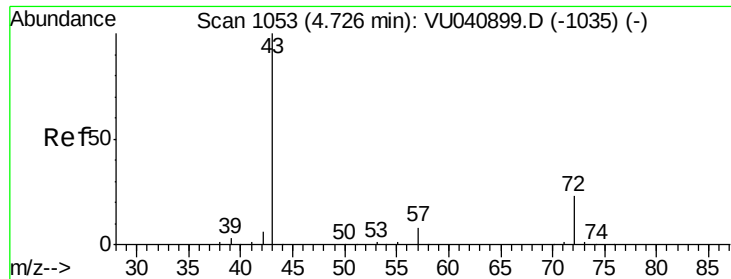


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





#21

2-Butanone

Concen: 0.950 ug/L

RT: 4.74 min Scan# 1057

Delta R.T. 0.01 min

Lab File: VU040907.D

Acq: 22 Oct 2020 15:16

Instrument :

MSVOA_U

ClientSampleId :

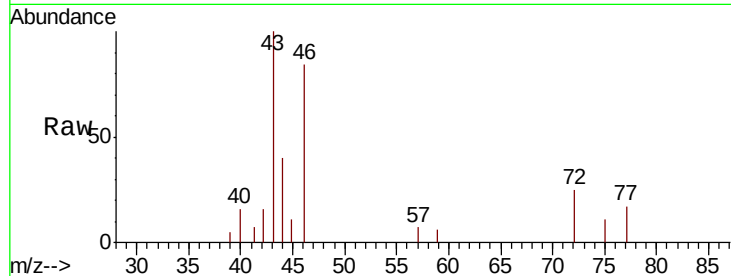
ETZ57

Tot Ion: 43 Resp: 5254

Ion Ratio Lower Upper

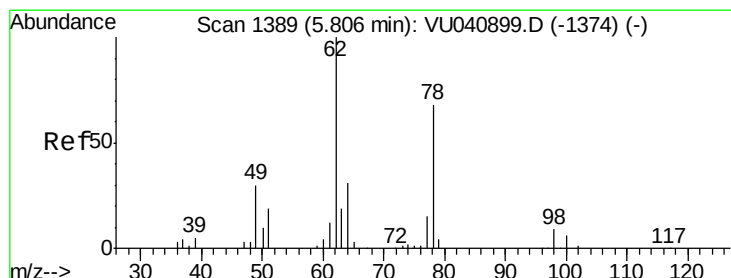
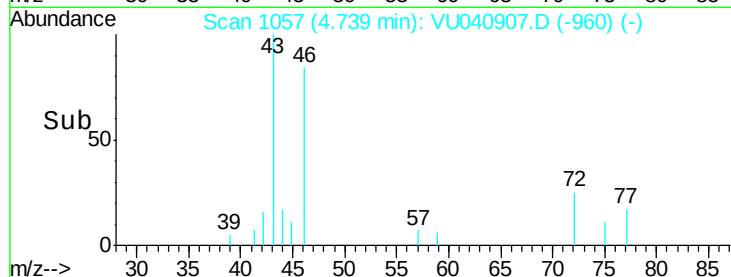
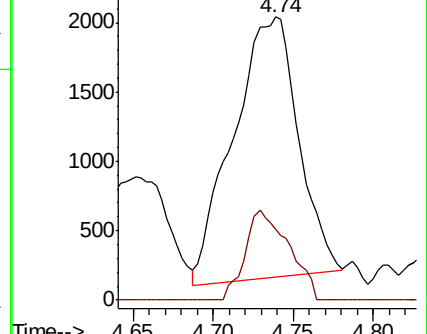
43 100

72 23.0 12.2 36.4



Abundance Ion 43.05 (42.75 to 43.75): VU040907.D (-960) (-)

Ion 72.10 (71.80 to 72.80): VU040907.D (-960) (-)



#27

1,2-Dichloroethane

Concen: 1.960 ug/L

RT: 5.81 min Scan# 1391

Delta R.T. 0.01 min

Lab File: VU040907.D

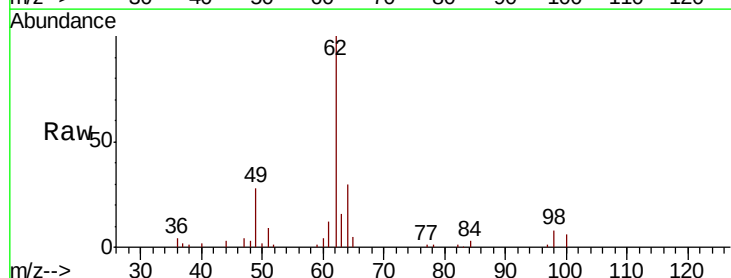
Acq: 22 Oct 2020 15:16

Tgt Ion: 62 Resp: 44766

Ion Ratio Lower Upper

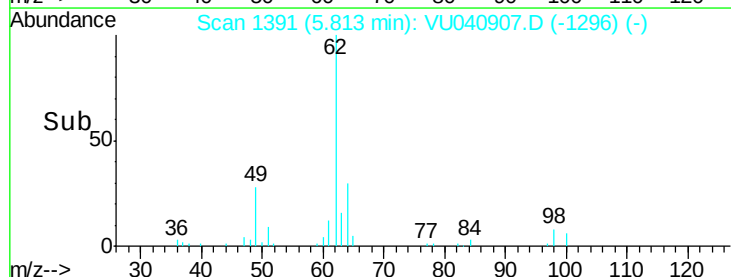
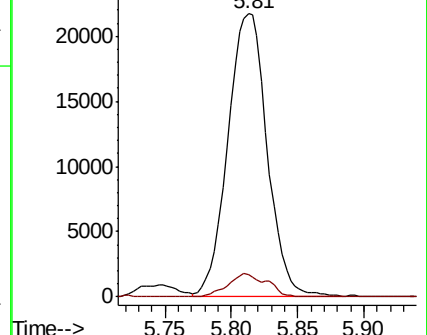
62 100

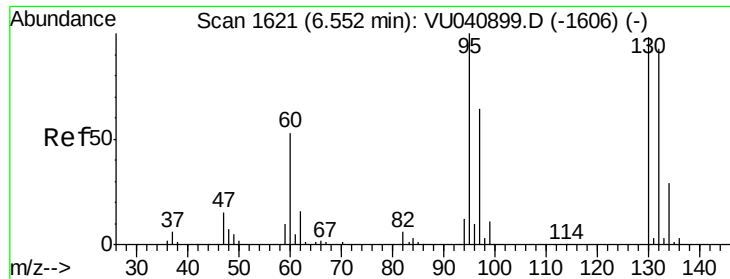
98 8.1 7.0 10.6



Abundance Ion 62.00 (61.70 to 62.70): VU040907.D (-1296) (-)

Ion 98.05 (97.75 to 98.75): VU040907.D (-1296) (-)





#34

Trichloroethene

Concen: 0.207 ug/L

RT: 6.27 min Scan# 1532

Delta R.T. -0.29 min

Lab File: VU040907.D

Acq: 22 Oct 2020 15:16

Instrument :

MSVOA_U

ClientSampleId :

ETZ57

Tot Ion: 95 Resp: 3821

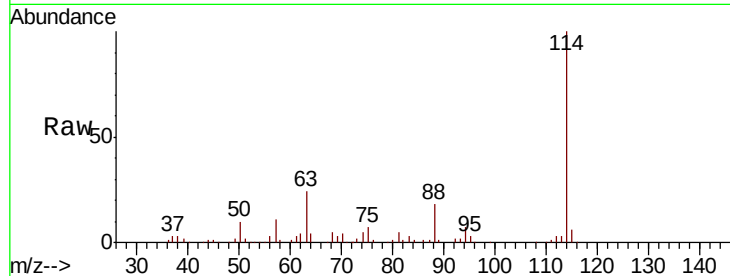
Ion Ratio Lower Upper

95 100

97 0.0 46.0 85.4#

132 0.0 63.6 118.2#

130 0.0 68.6 127.4#

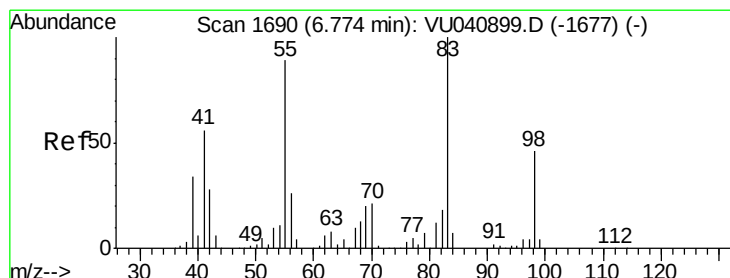
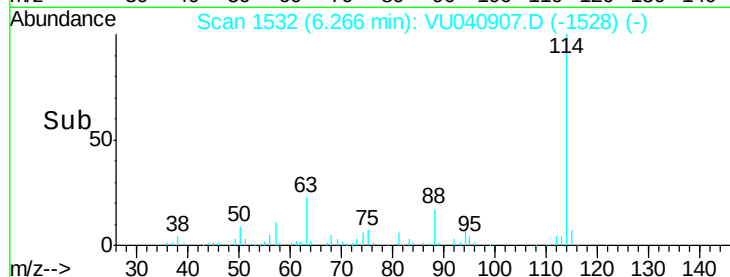
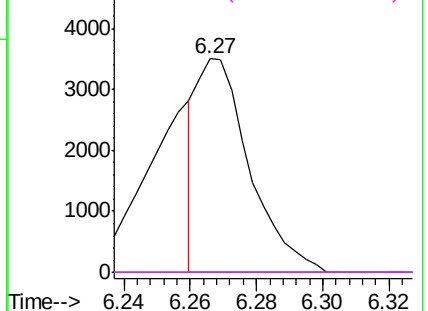


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.789 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU040907.D

Acq: 22 Oct 2020 15:16

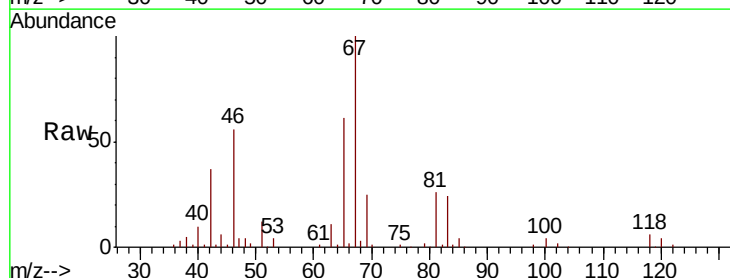
Tgt Ion: 83 Resp: 21855

Ion Ratio Lower Upper

83 100

55 0.1 69.1 103.7#

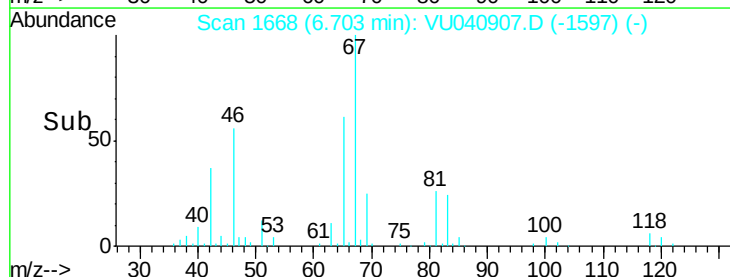
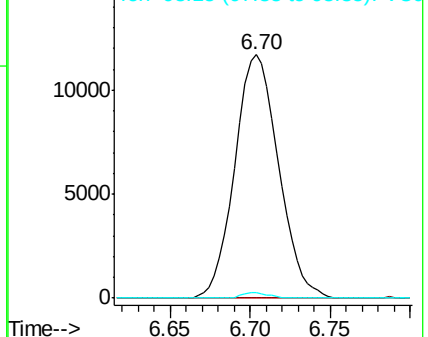
98 1.4 37.8 56.6#

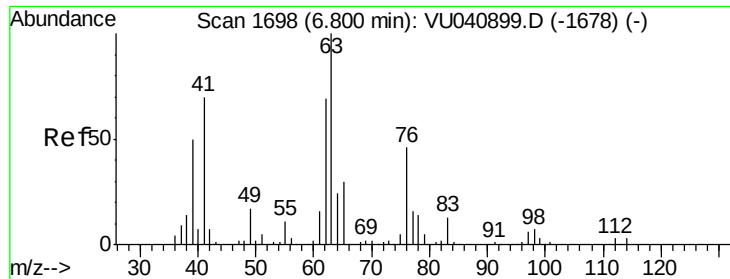


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

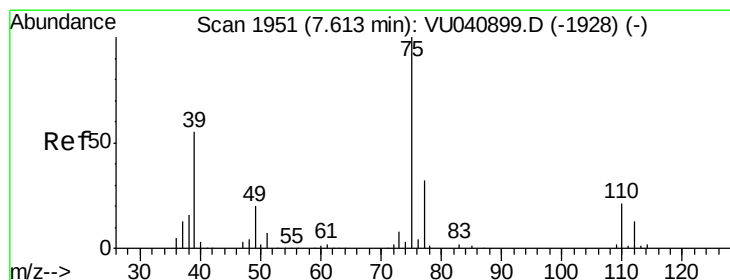
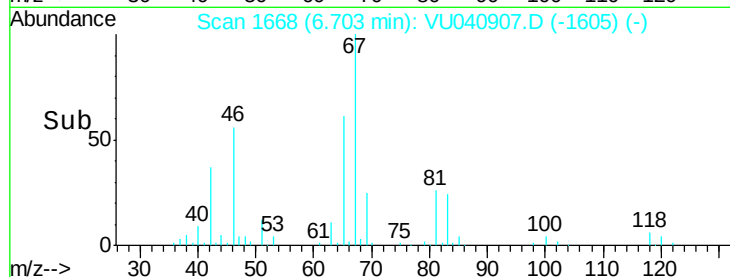
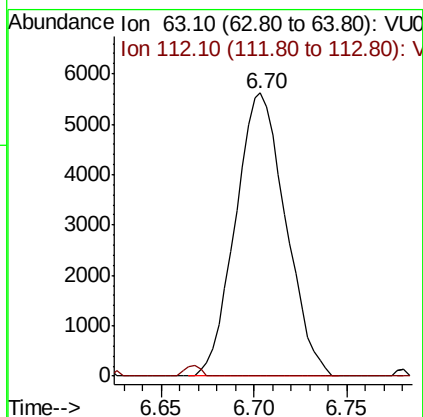
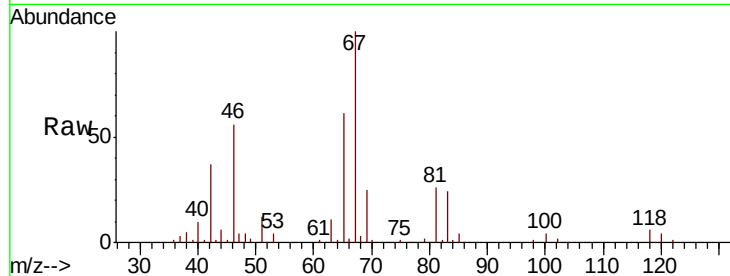




#37
 1,2-Dichloropropane
 Concen: 0.539 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU040907.D
 Acq: 22 Oct 2020 15:16

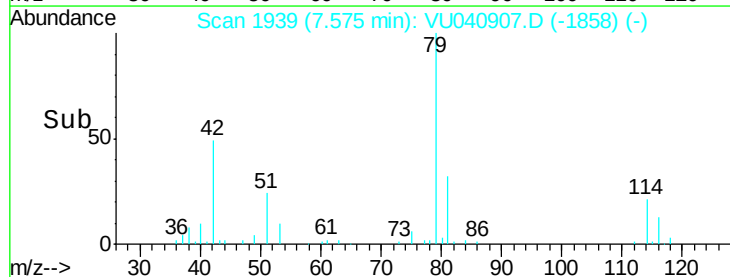
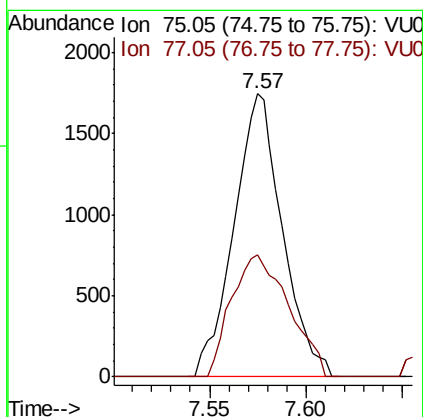
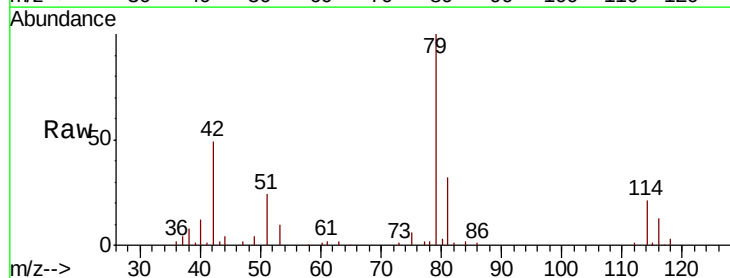
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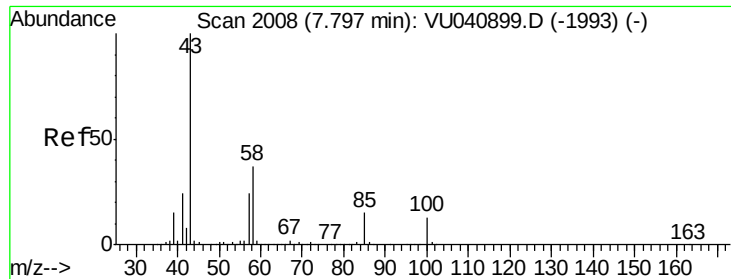
Tot Ion: 63 Resp: 10575
 Ion Ratio Lower Upper
 63 100
 112 1.2 3.0 4.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.116 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040907.D
 Acq: 22 Oct 2020 15:16

Tgt Ion: 75 Resp: 3032
 Ion Ratio Lower Upper
 75 100
 77 43.0 21.6 40.2#

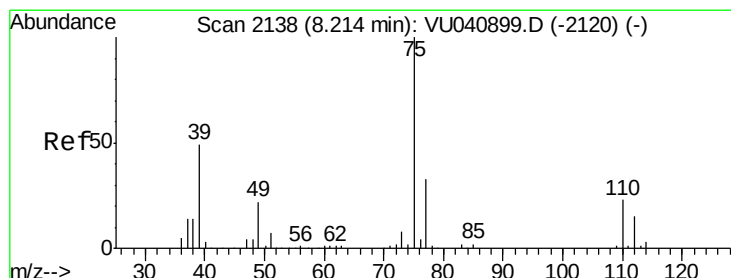
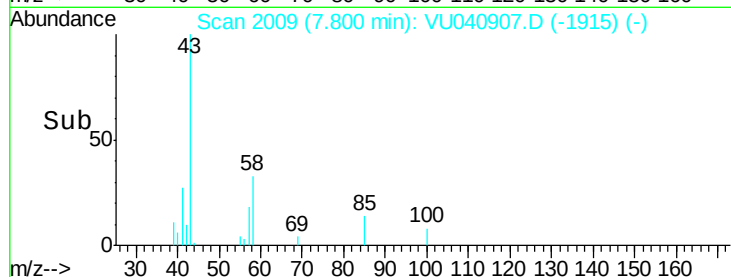
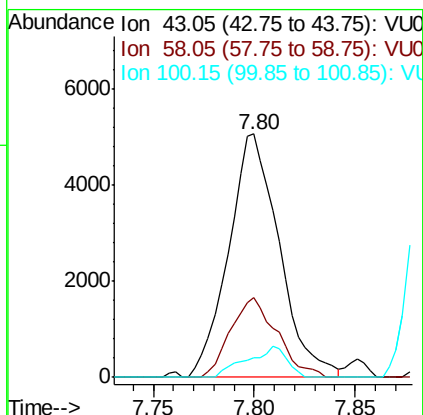
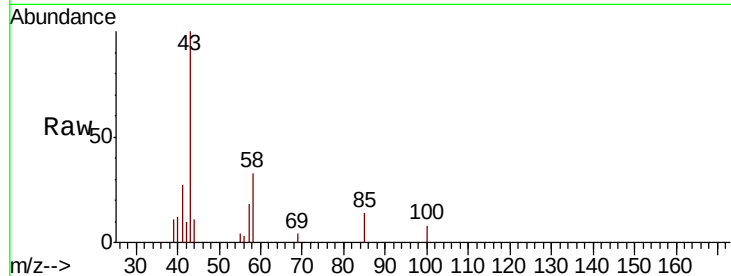




#40
 4-Methyl-2-pentanone
 Concen: 0.675 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU040907.D
 Acq: 22 Oct 2020 15:16

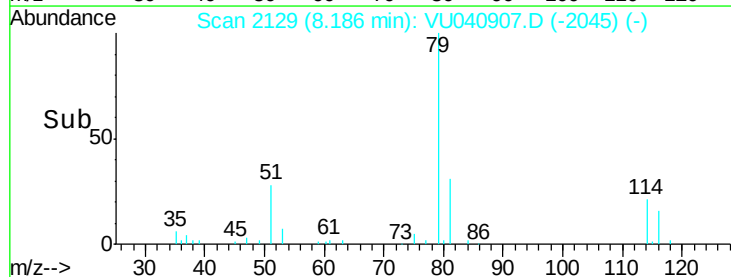
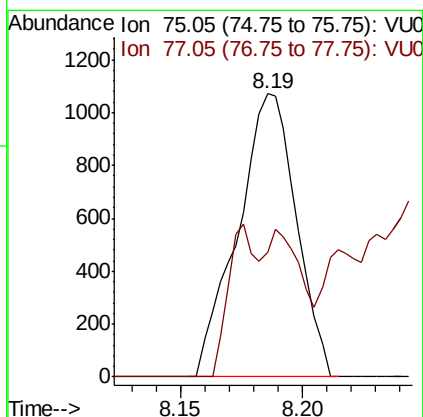
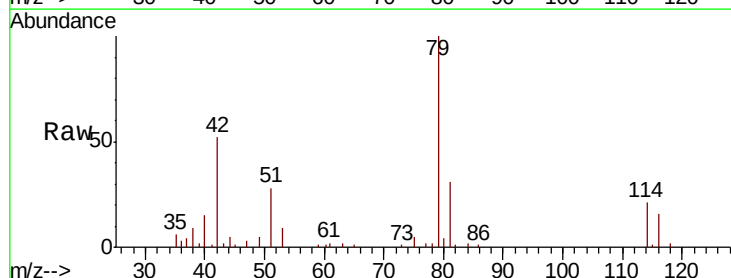
Instrument :
 MSVOA_U
 ClientSampled :
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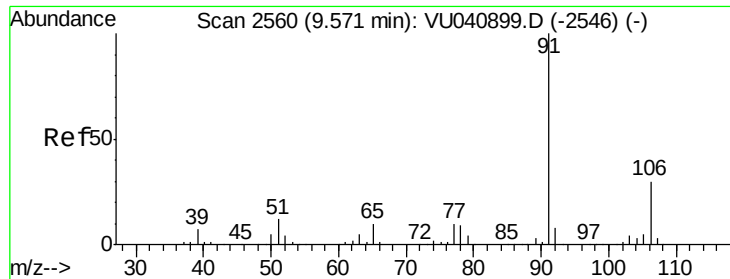
Tot Ion: 43 Resp: 8886
 Ion Ratio Lower Upper
 43 100
 58 30.2 29.7 44.5
 100 0.0 10.6 16.0#



#44
 trans-1,3-Dichloropropene
 Concen: 0.075 ug/L
 RT: 8.19 min Scan# 2129
 Delta R.T. -0.03 min
 Lab File: VU040907.D
 Acq: 22 Oct 2020 15:16

Tgt Ion: 75 Resp: 1779
 Ion Ratio Lower Upper
 75 100
 77 44.2 22.6 42.0#





#52

Ethylbenzene

Concen: 0.140 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040907.D

Acq: 22 Oct 2020 15:16

Instrument :

MSVOA_U

ClientSampleId :

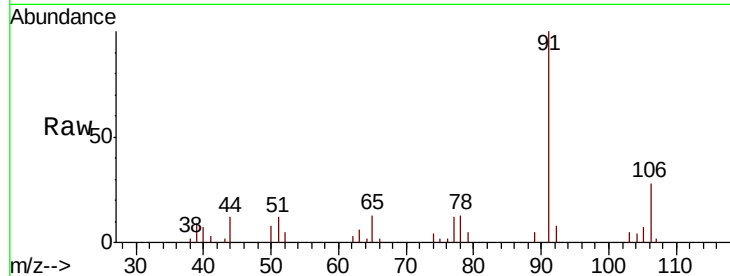
ETZ57

Tot Ion: 91 Resp: 11024

Ion Ratio Lower Upper

91 100

106 27.8 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU040899.D (-2546) (-)

Ion 106.15 (105.85 to 106.85): VU040899.D (-2546) (-)

9.57

8000

6000

4000

2000

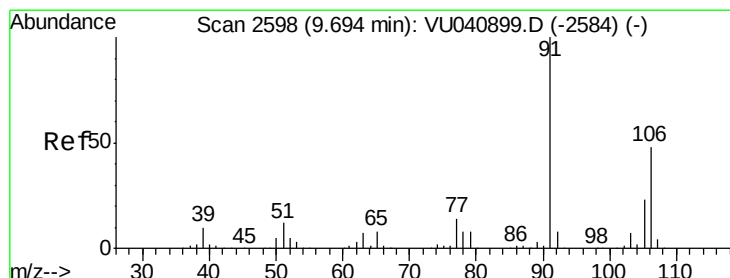
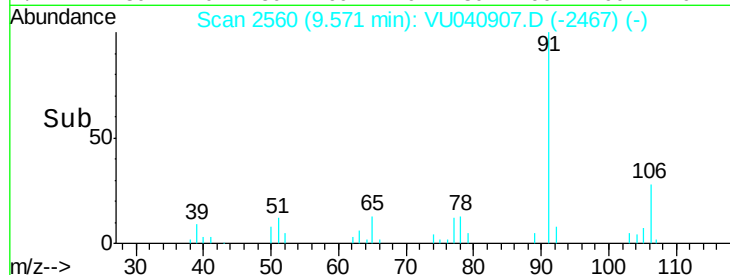
0

Time-->

9.50

9.55

9.60



#53

m,p-Xylene

Concen: 0.519 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040907.D

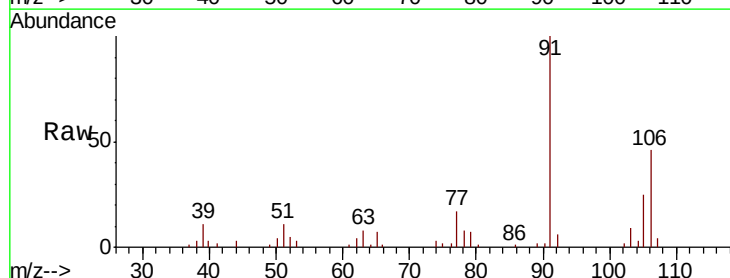
Acq: 22 Oct 2020 15:16

Tgt Ion: 106 Resp: 14679

Ion Ratio Lower Upper

106 100

91 218.7 153.3 284.7



Abundance Ion 106.15 (105.85 to 106.85): VU040899.D (-2584) (-)

Ion 91.15 (90.85 to 91.85): VU040899.D (-2584) (-)

9.69

20000

15000

10000

5000

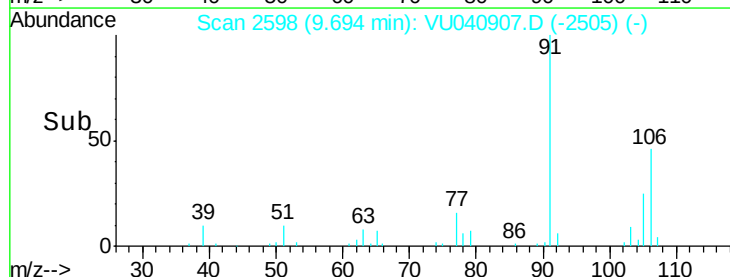
0

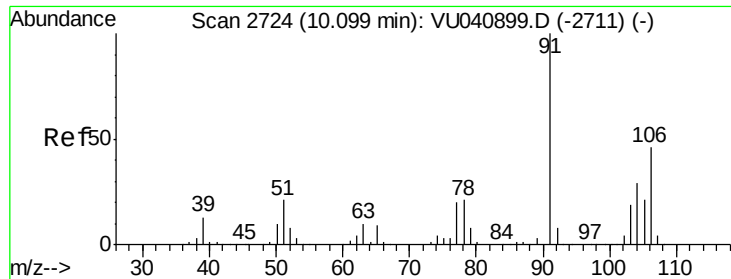
Time-->

9.65

9.70

9.75

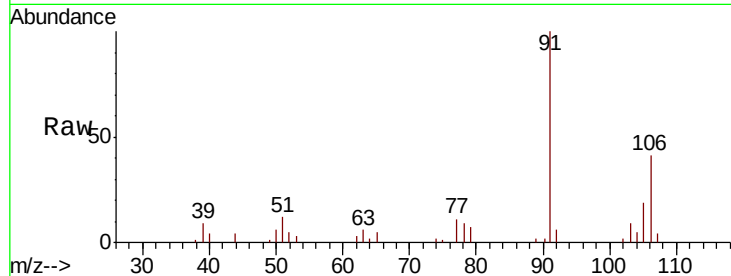




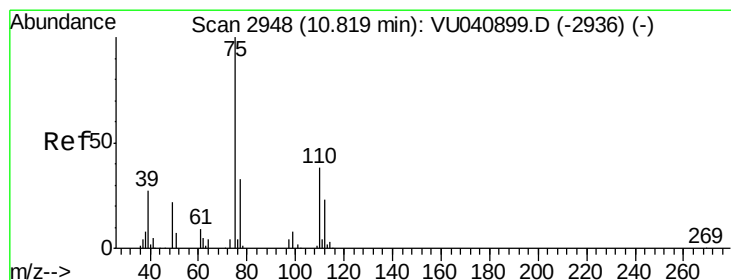
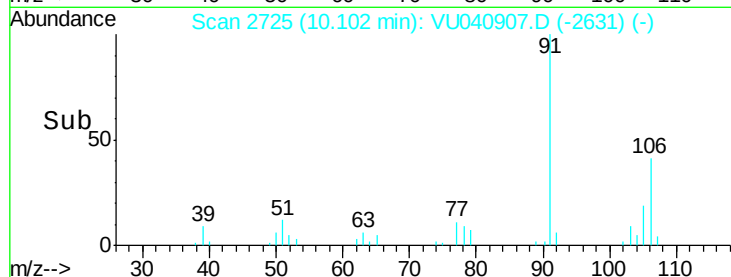
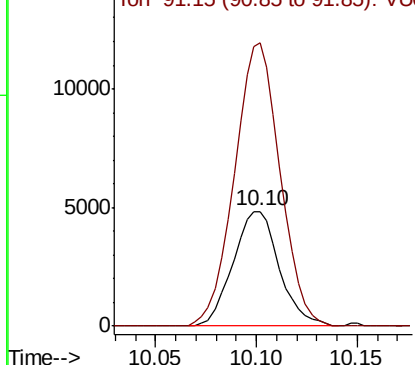
#54
o-Xylene
Concen: 0.289 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040907.D
Acq: 22 Oct 2020 15:16

Instrument :
MSVOA_U
ClientSampleId :
ETZ57

Tot Ion:106 Resp: 7766
Ion Ratio Lower Upper
106 100
91 246.1 153.6 285.2

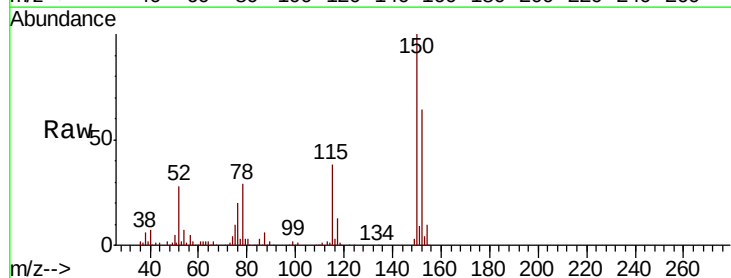


Abundance Ion 106.15 (105.85 to 106.85): VU040907.D (-2631) (-)
Ion 91.15 (90.85 to 91.85): VU040907.D (-2631) (-)



#59
1,2,3-Trichloropropane
Concen: 1.083 ug/L
RT: 11.81 min Scan# 3255
Delta R.T. 0.99 min
Lab File: VU040907.D
Acq: 22 Oct 2020 15:16

Tgt Ion: 75 Resp: 13811
Ion Ratio Lower Upper
75 100
77 35.2 27.5 41.3



Abundance Ion 75.00 (74.70 to 75.70): VU040907.D (-2326) (-)
Ion 77.00 (76.70 to 77.70): VU040907.D (-2326) (-)

