

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102620\
 Data File : VU040948.D
 Acq On : 26 Oct 2020 16:47
 Operator : SY/MD
 Sample : L4492-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AM9

Quant Time: Oct 27 03:16:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 27 03:00:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	57104	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	57158	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	26910	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	14352	2.99	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	59.80%
7) Chloroethane-d5	1.92	69	14706	3.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.80%
11) 1,1-Dichloroethene-d2	2.58	63	23849	2.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	50.60%#
20) 2-Butanone-d5	4.67	46	85074	53.85	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.70%
24) Chloroform-d	5.08	84	38047	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
26) 1,2-Dichloroethane-d4	5.72	65	23021	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.60%
32) Benzene-d6	5.74	84	62622	4.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.00%
36) 1,2-Dichloropropane-d6	6.70	67	22791	4.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.60%
41) Toluene-d8	7.91	98	48737	3.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.40%
43) trans-1,3-Dichloropropene-	8.19	79	8564	3.97	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.40%
46) 2-Hexanone-d5	8.64	63	62419	53.74	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.48%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	22609	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	22057	4.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.40%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	693	0.127	ug/L 96
5) Vinyl chloride	1.61	62	750	0.140	ug/L # 1
8) Chloroethane	2.06	64	1121	0.330	ug/L # 54
13) Acetone	2.68	43	3567	3.303	ug/L 73
14) Carbon disulfide	2.81	76	6150	0.456	ug/L 97
15) Methyl Acetate	2.97	43	11614	4.699	ug/L # 79
30) Cyclohexane	5.41	56	594	0.086	ug/L # 88
33) Benzene	5.79	78	7725	0.452	ug/L 100
35) Methylcyclohexane	6.77	83	457	0.070	ug/L # 83
37) 1,2-Dichloropropane	6.70	63	2666	0.577	ug/L # 86
39) cis-1,3-Dichloropropene	7.58	75	607	0.095	ug/L # 76
40) 4-Methyl-2-pentanone	7.80	43	1775	0.482	ug/L # 82
42) Toluene	7.98	91	8150	0.471	ug/L 100
44) trans-1,3-Dichloropropene	8.18	75	384	0.064	ug/L # 64
48) 2-Hexanone	8.69	43	3894	1.404	ug/L # 85
52) Ethylbenzene	9.57	91	1972	0.108	ug/L 96
53) m,p-Xylene	9.69	106	1792	0.270	ug/L 95

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 27 03:00:07 2020
Response via : Initial Calibration

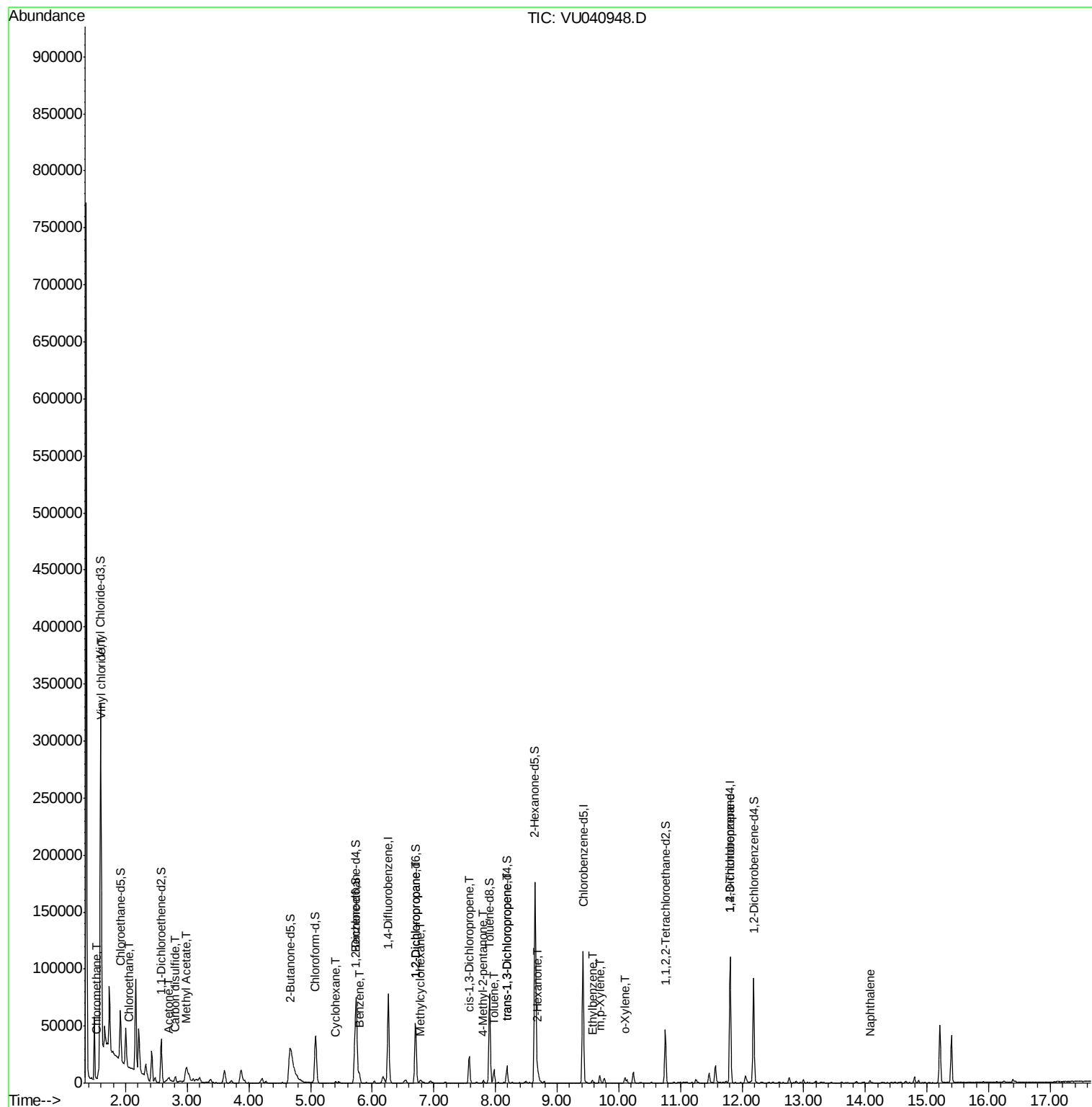
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-Xylene	10.10	106	1291	0.209	ug/L	85
59) 1,2,3-Trichloropropane	11.81	75	3852	1.118	ug/L	93
69) Naphthalene	14.08	128	1722	0.214	ug/L #	91

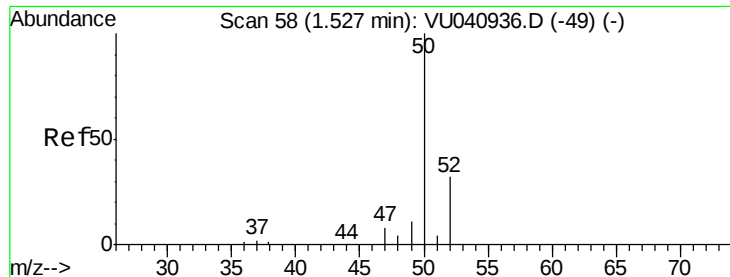
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.127 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040948.D

Acq: 26 Oct 2020 16:47

Instrument :

MSVOA_U

ClientSampleId :

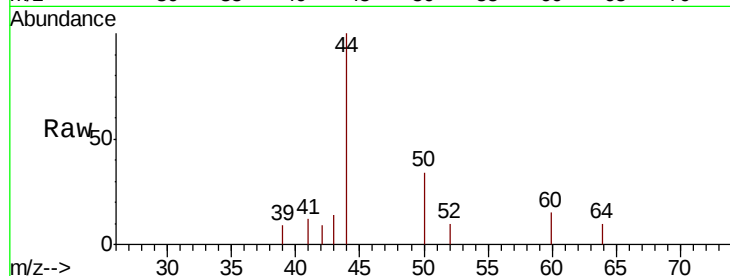
C0AM9

Tot Ion: 50 Resp: 693

Ion Ratio Lower Upper

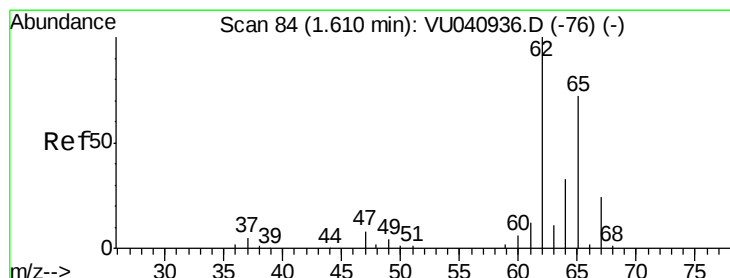
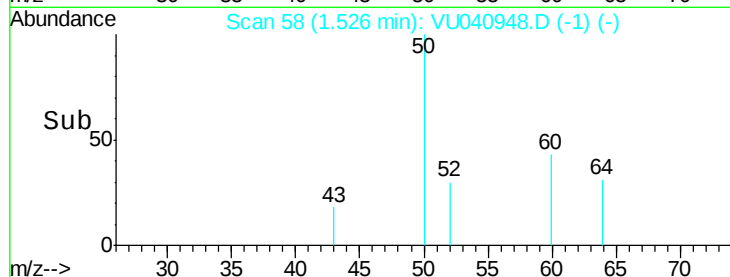
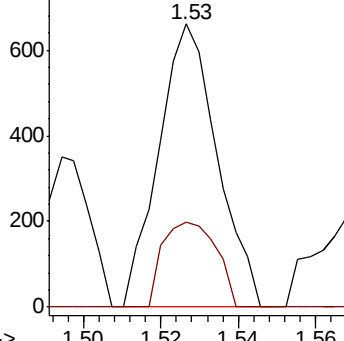
50 100

52 29.8 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#5

Vinyl chloride

Concen: 0.140 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040948.D

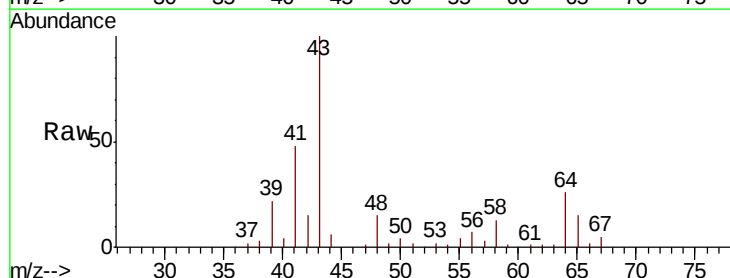
Acq: 26 Oct 2020 16:47

Tgt Ion: 62 Resp: 750

Ion Ratio Lower Upper

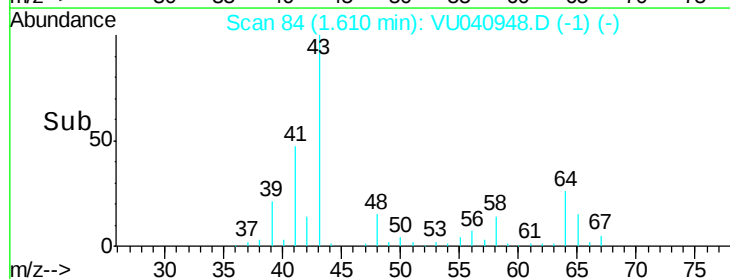
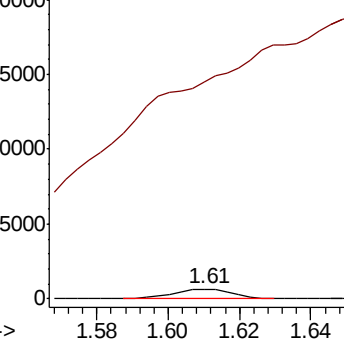
62 100

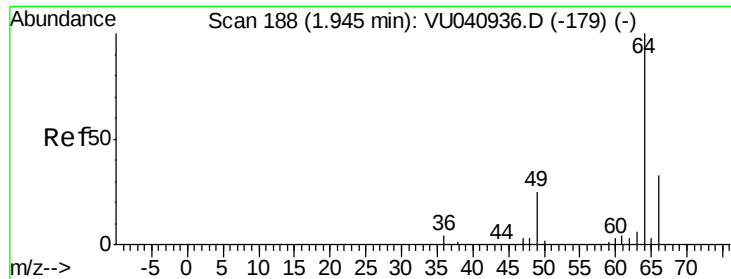
64 2155.9 22.7 42.3#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

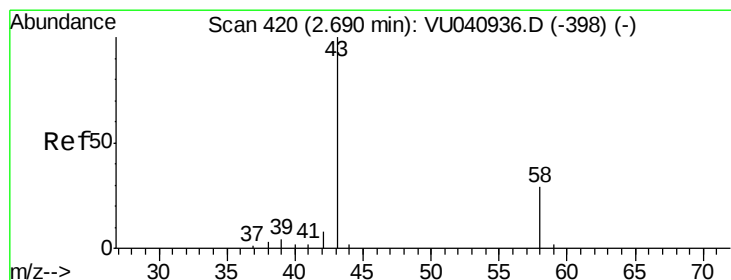
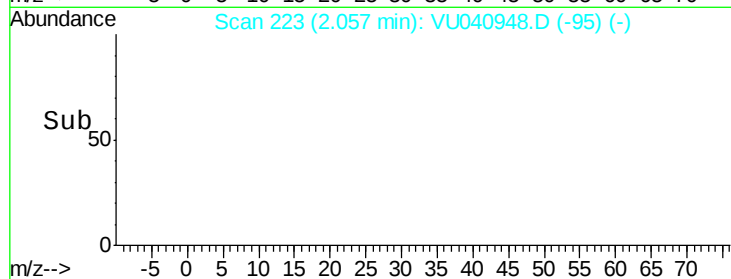
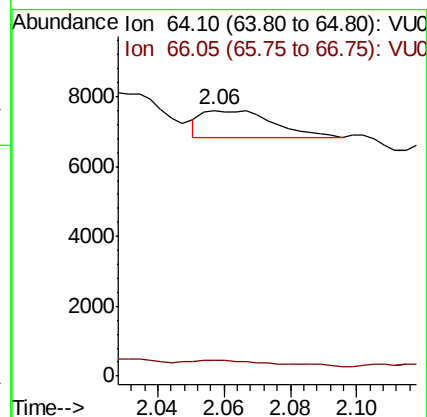
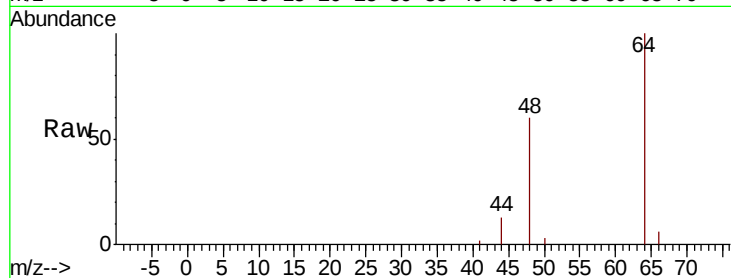




#8
Chloroethane
Concen: 0.330 ug/L
RT: 2.06 min Scan# 223
Delta R.T. 0.11 min
Lab File: VU040948.D
Acq: 26 Oct 2020 16:47

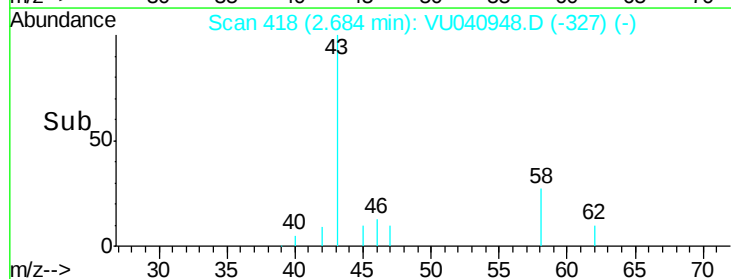
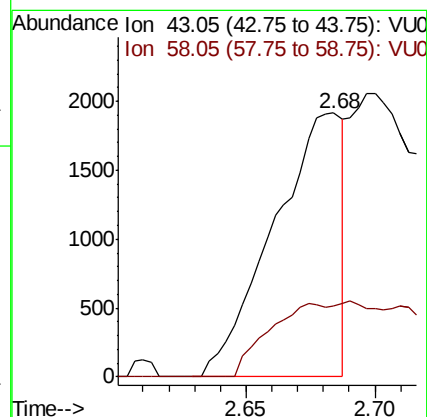
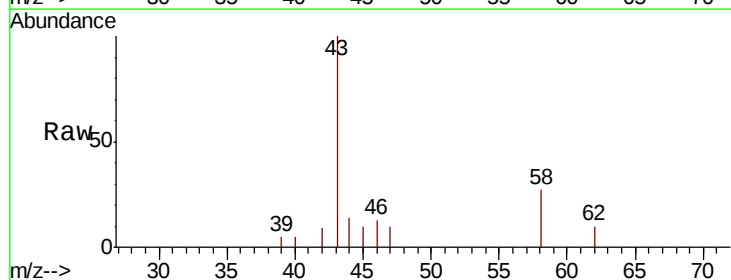
Instrument :
MSVOA_U
ClientSampleId :
C0AM9

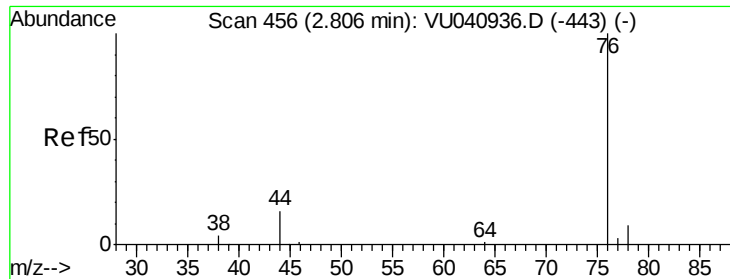
Tot Ion: 64 Resp: 1121
Ion Ratio Lower Upper
64 100
66 6.1 22.3 41.5#



#13
Acetone
Concen: 3.303 ug/L
RT: 2.68 min Scan# 418
Delta R.T. -0.01 min
Lab File: VU040948.D
Acq: 26 Oct 2020 16:47

Tgt Ion: 43 Resp: 3567
Ion Ratio Lower Upper
43 100
58 23.2 0.0 25.4





#14

Carbon disulfide

Concen: 0.456 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040948.D

Acq: 26 Oct 2020 16:47

Instrument :

MSVOA_U

ClientSampleId :

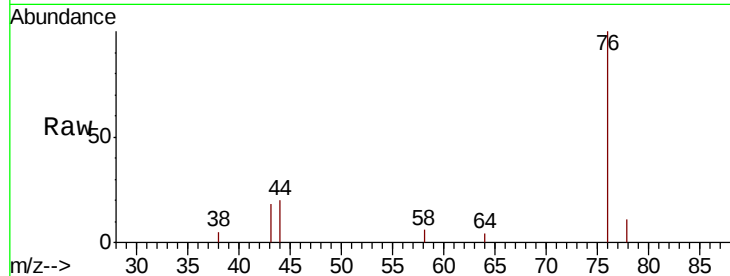
C0AM9

Tot Ion: 76 Resp: 6150

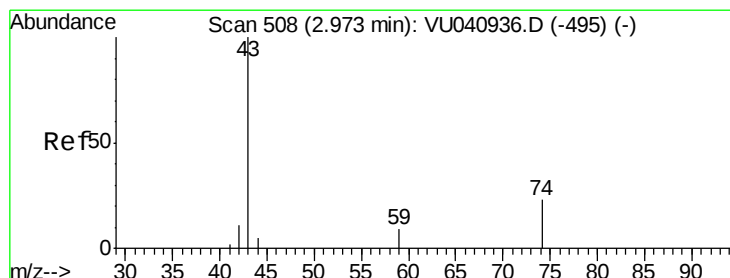
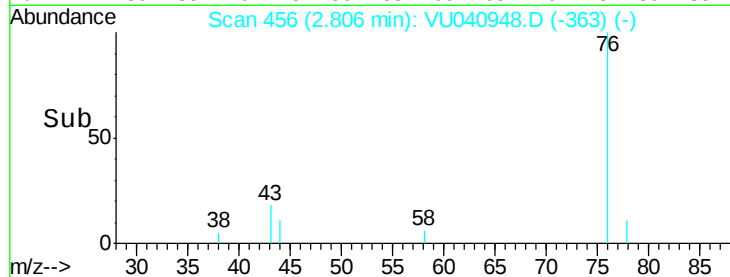
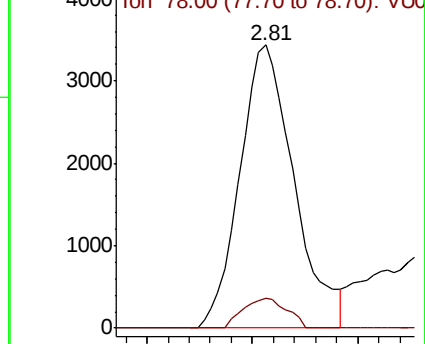
Ion Ratio Lower Upper

76 100

78 10.6 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU040948.D (-363) (-)



#15

Methyl Acetate

Concen: 4.699 ug/L

RT: 2.97 min Scan# 508

Delta R.T. -0.00 min

Lab File: VU040948.D

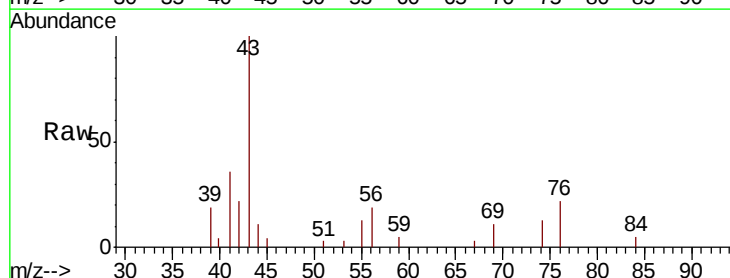
Acq: 26 Oct 2020 16:47

Tgt Ion: 43 Resp: 11614

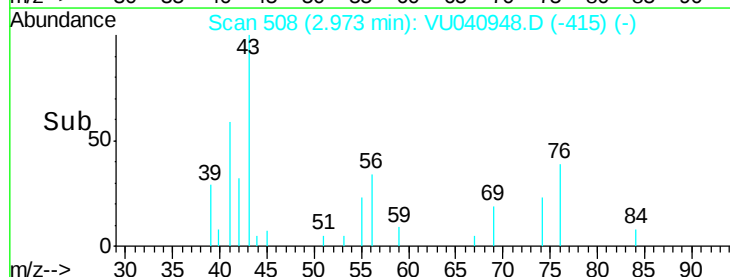
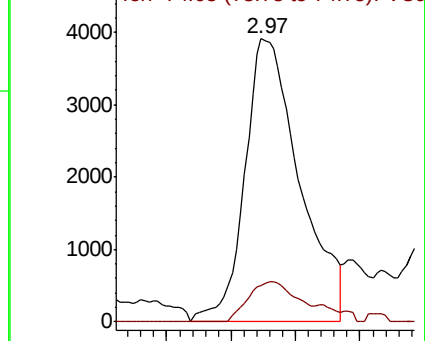
Ion Ratio Lower Upper

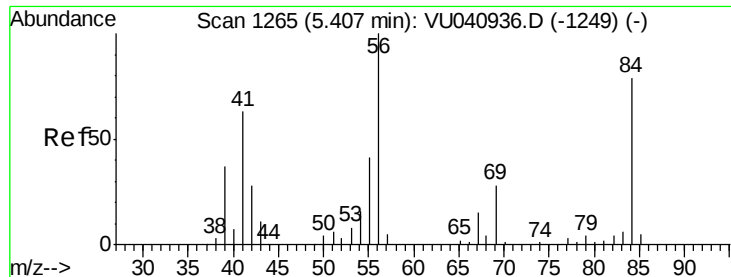
43 100

74 12.7 18.3 27.5#



Abundance Ion 43.05 (42.75 to 43.75): VU040948.D (-415) (-)

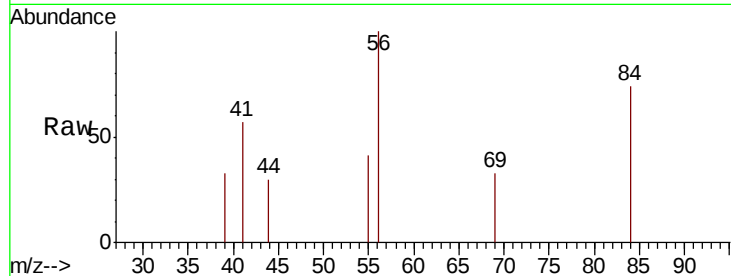




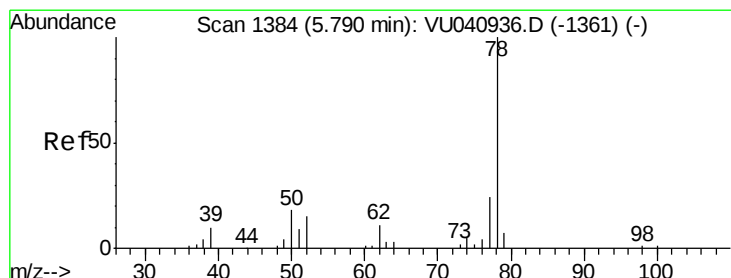
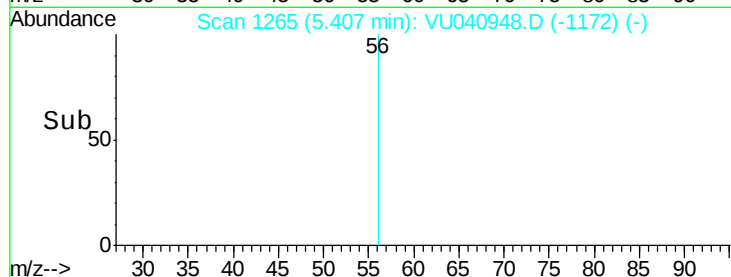
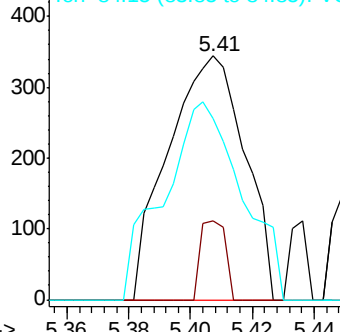
#30
Cyclohexane
Concen: 0.086 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VU040948.D
Acq: 26 Oct 2020 16:47

Instrument :
MSVOA_U
ClientSampleId :
C0AM9

Tot Ion: 56 Resp: 594
Ion Ratio Lower Upper
56 100
69 10.4 22.8 34.2#
84 83.0 63.6 95.4

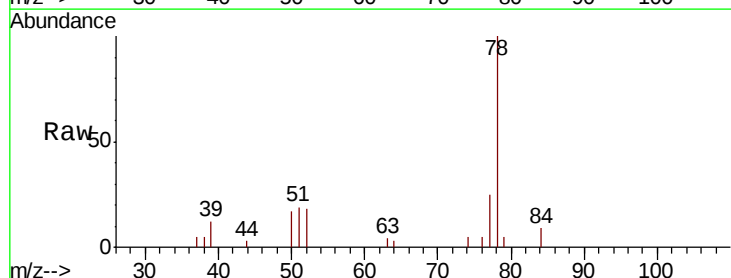


Abundance Ion 56.10 (55.80 to 56.80): VU040948.D (-1172) (-)
Ion 69.15 (68.85 to 69.85): VU040948.D (-1172) (-)
Ion 84.15 (83.85 to 84.85): VU040948.D (-1172) (-)

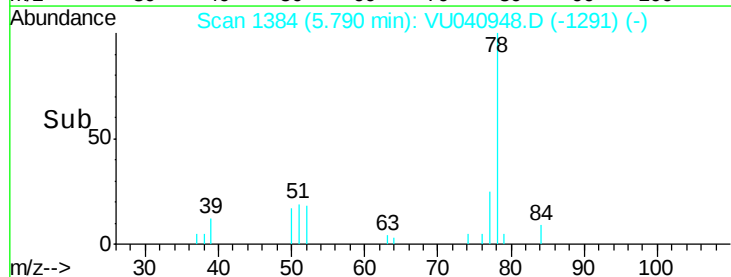
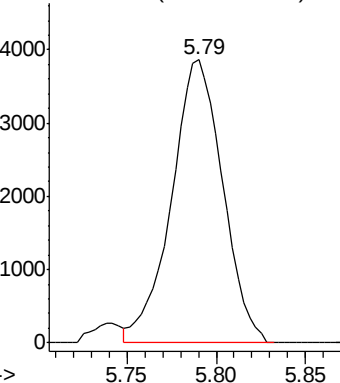


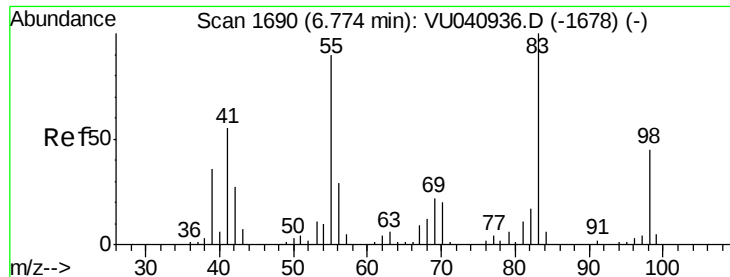
#33
Benzene
Concen: 0.452 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. -0.00 min
Lab File: VU040948.D
Acq: 26 Oct 2020 16:47

Tgt Ion: 78 Resp: 7725



Abundance Ion 78.10 (77.80 to 78.80): VU040948.D (-1291) (-)

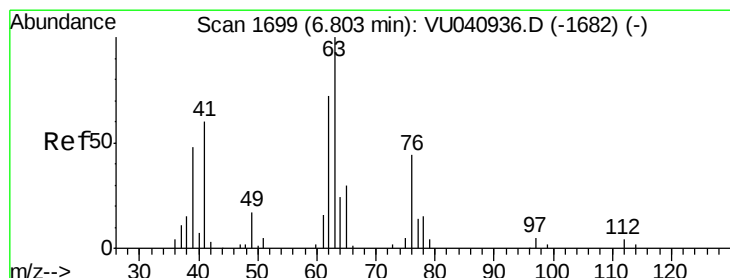
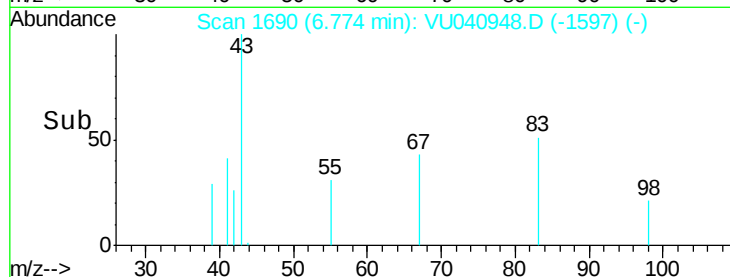
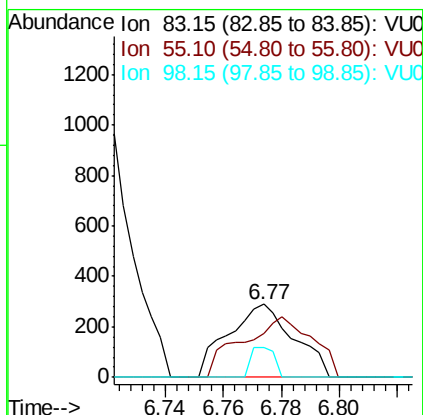
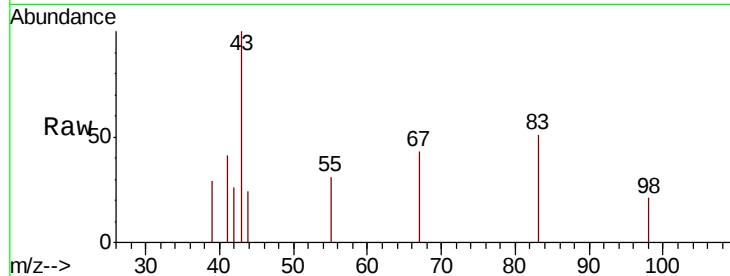




#35
Methvlcvclohexane
Concen: 0.070 ug/L
RT: 6.77 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VU040948.D
Acq: 26 Oct 2020 16:47

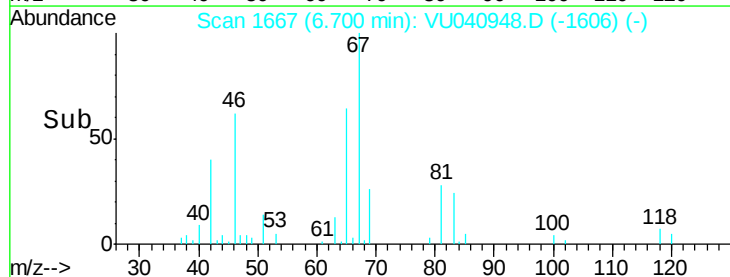
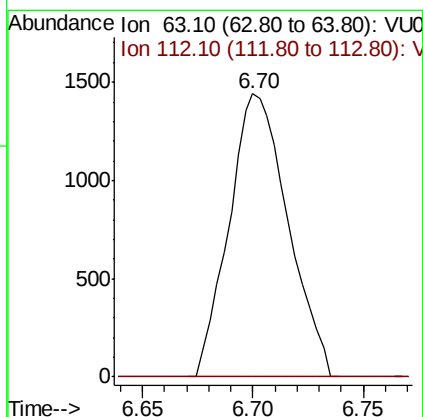
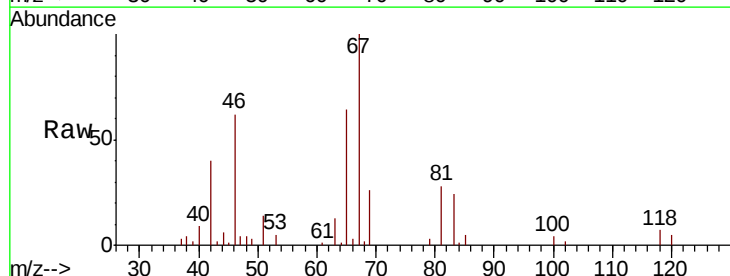
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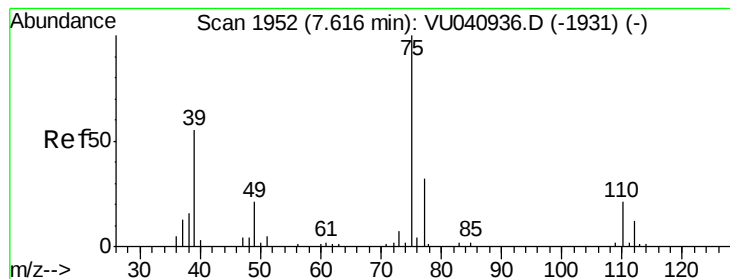
Tot Ion: 83 Resp: 457
Ion Ratio Lower Upper
83 100
55 88.2 72.0 108.0
98 14.4 36.6 55.0#



#37
1,2-Dichloropropane
Concen: 0.577 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU040948.D
Acq: 26 Oct 2020 16:47

Tgt Ion: 63 Resp: 2666
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#





#39

cis-1,3-Dichloropropene

Concen: 0.095 ug/L

RT: 7.58 min Scan# 1940

Delta R.T. -0.04 min

Lab File: VU040948.D

Acq: 26 Oct 2020 16:47

Instrument :

MSVOA_U

ClientSampleId :

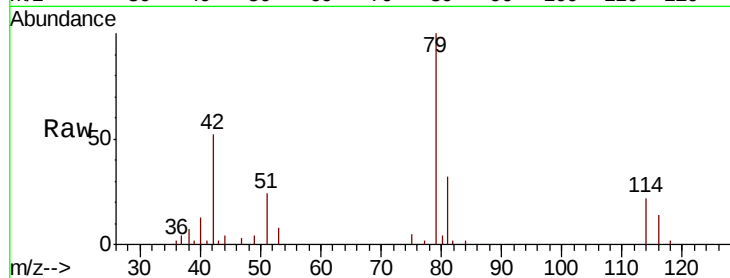
C0AM9

Tot Ion: 75 Resp: 607

Ion Ratio Lower Upper

75 100

77 46.2 22.7 42.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

7.58

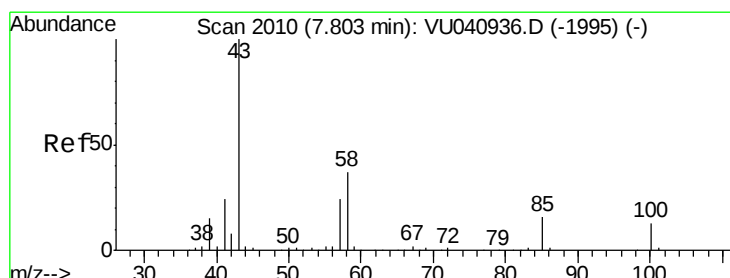
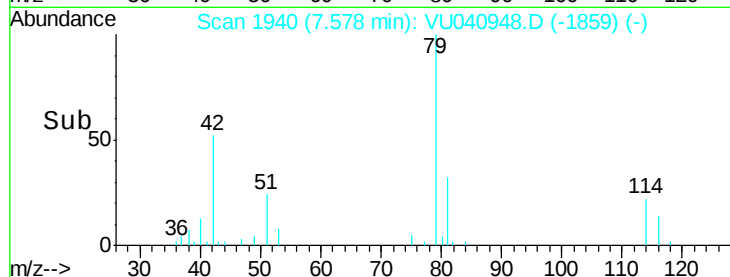
300

200

100

0

Time-->



#40

4-Methyl-2-pentanone

Concen: 0.482 ug/L

RT: 7.80 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU040948.D

Acq: 26 Oct 2020 16:47

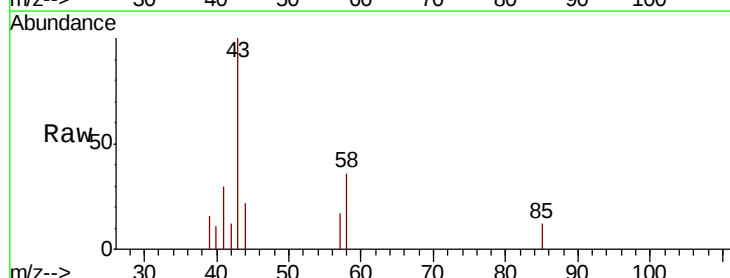
Tgt Ion: 43 Resp: 1775

Ion Ratio Lower Upper

43 100

58 29.2 29.8 44.6#

100 0.0 10.5 15.7#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 100.15 (99.85 to 100.85): VU0

7.80

1200

1000

800

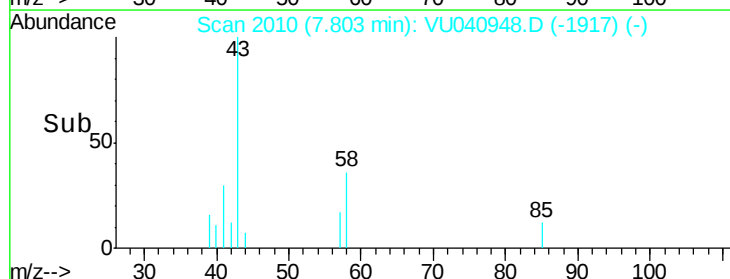
600

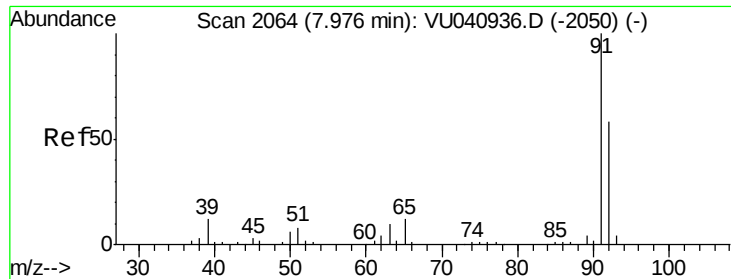
400

200

0

Time-->





#42

Toluene

Concen: 0.471 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU040948.D

Acq: 26 Oct 2020 16:47

Instrument :

MSVOA_U

ClientSampleId :

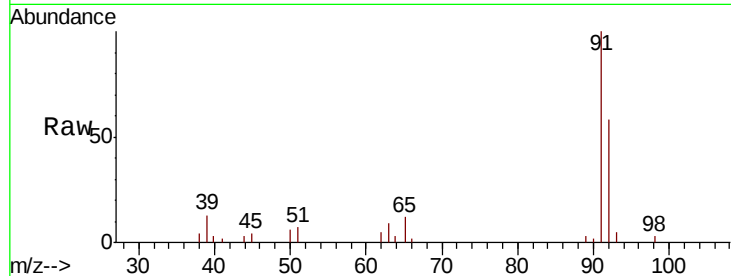
C0AM9

Tot Ion: 91 Resp: 8150

Ion Ratio Lower Upper

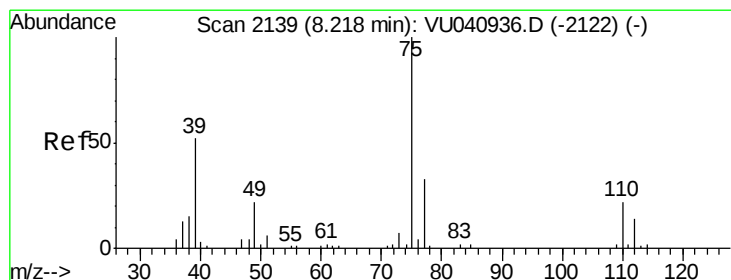
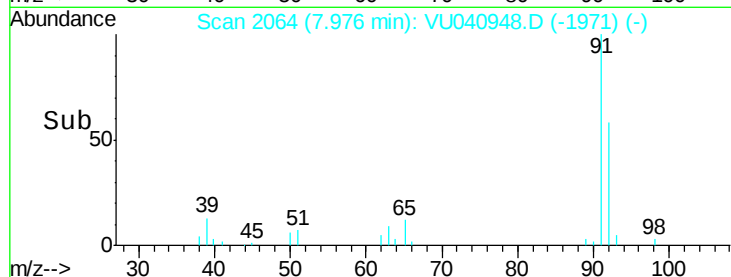
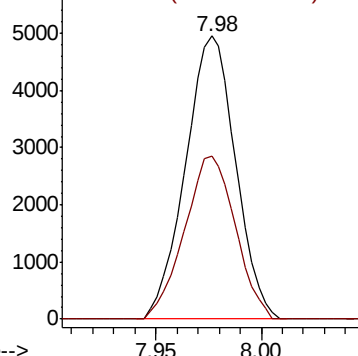
91 100

92 57.8 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.064 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.04 min

Lab File: VU040948.D

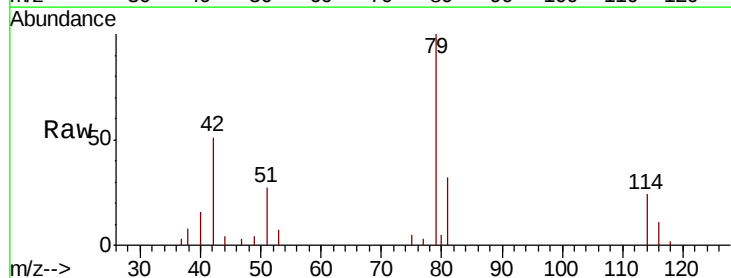
Acq: 26 Oct 2020 16:47

Tgt Ion: 75 Resp: 384

Ion Ratio Lower Upper

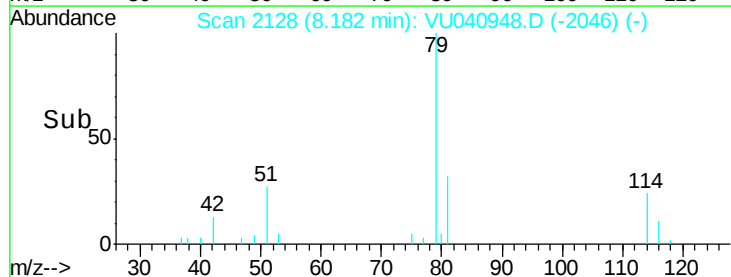
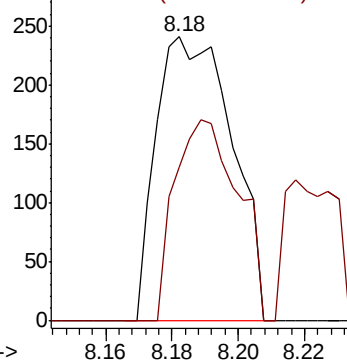
75 100

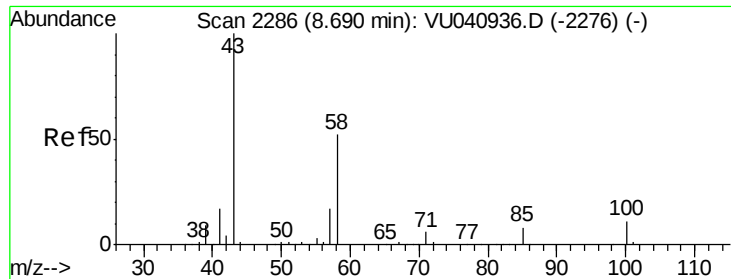
77 53.9 23.3 43.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

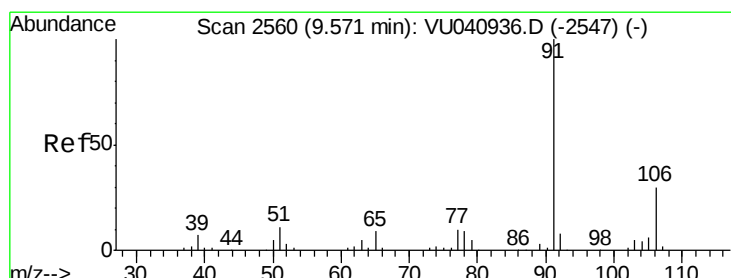
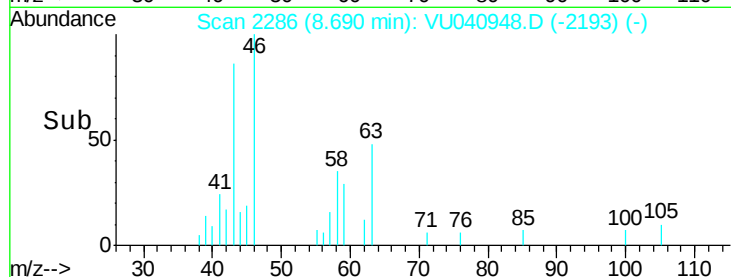
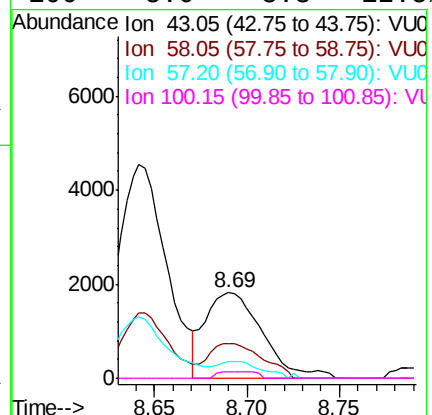
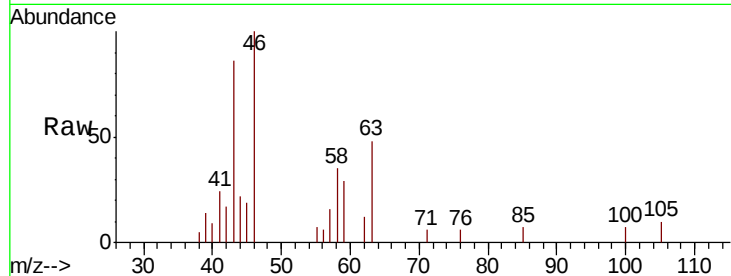




#48
2-Hexanone
Concen: 1.404 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU040948.D
Acq: 26 Oct 2020 16:47

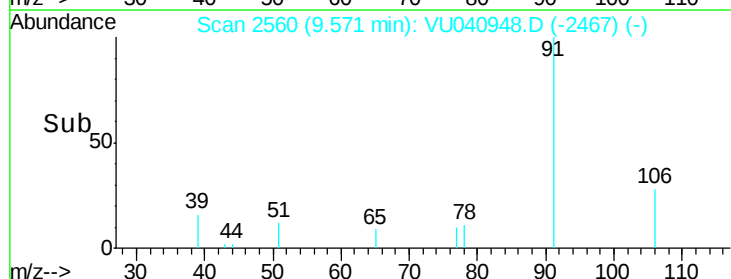
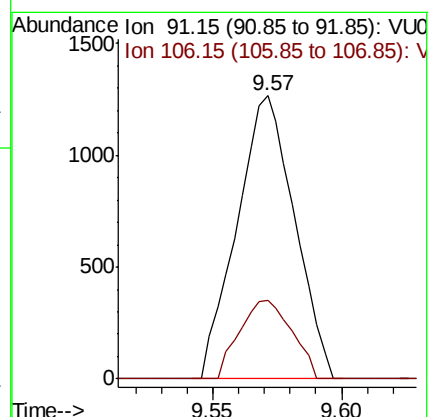
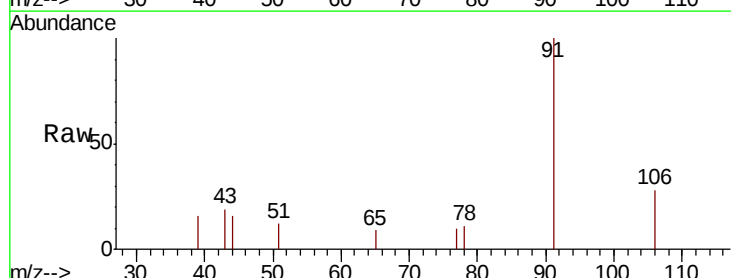
Instrument :
MSVOA_U
ClientSampled :
C0AM9

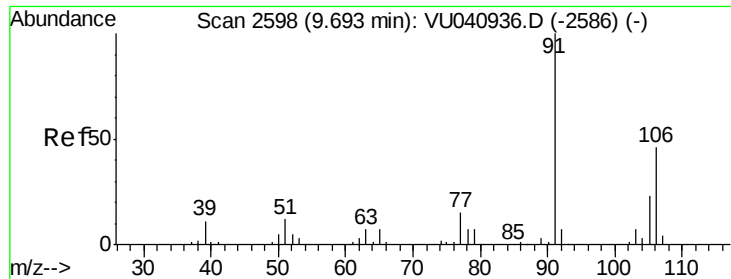
Tot Ion: 43 Resp: 3894
Ion Ratio Lower Upper
43 100
58 38.9 41.4 62.2#
57 16.4 14.6 21.8
100 5.0 8.3 12.5#



#52
Ethylbenzene
Concen: 0.108 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU040948.D
Acq: 26 Oct 2020 16:47

Tgt Ion: 91 Resp: 1972
Ion Ratio Lower Upper
91 100
106 27.6 21.0 39.0

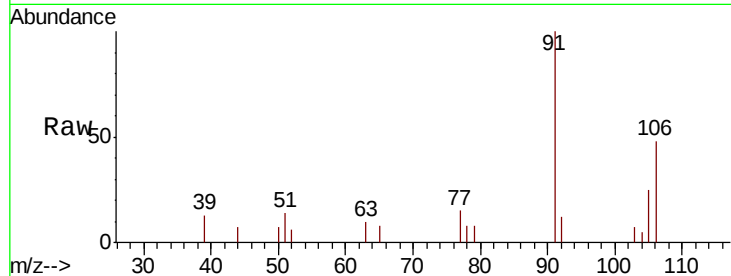




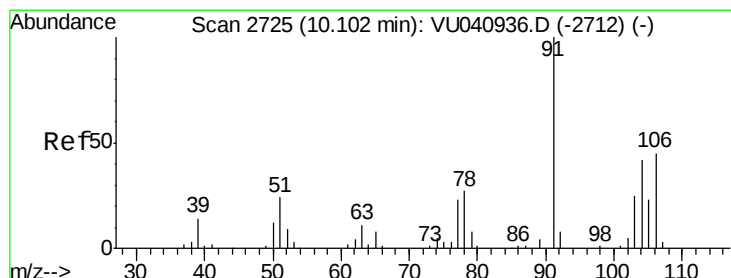
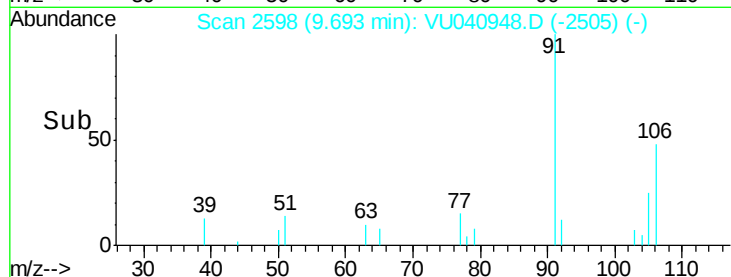
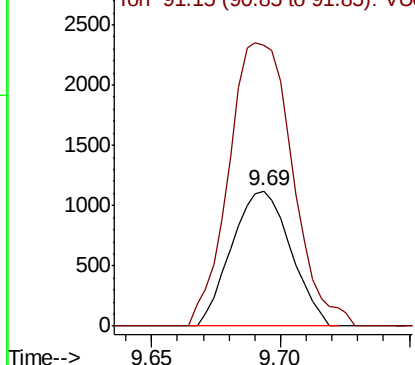
#53
m,p-Xylene
Concen: 0.270 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. -0.00 min
Lab File: VU040948.D
Acq: 26 Oct 2020 16:47

Instrument :
MSVOA_U
ClientSampleId :
C0AM9

Tot Ion:106 Resp: 1792
Ion Ratio Lower Upper
106 100
91 207.8 150.9 280.3

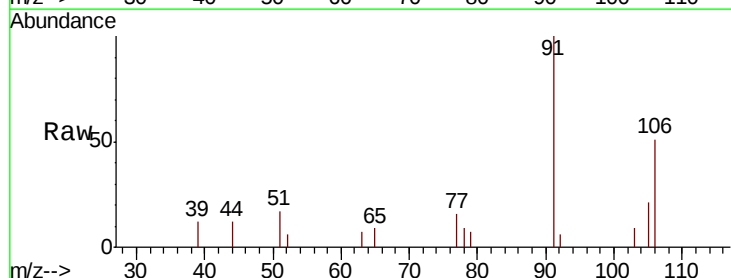


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

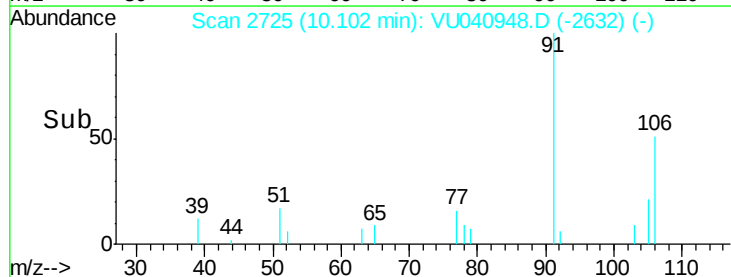
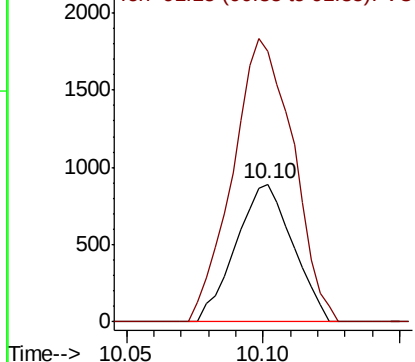


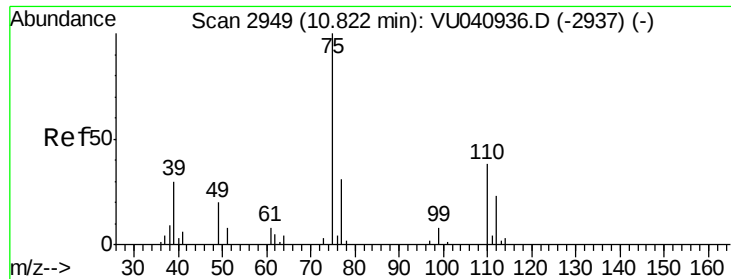
#54
o-Xylene
Concen: 0.209 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU040948.D
Acq: 26 Oct 2020 16:47

Tgt Ion:106 Resp: 1291
Ion Ratio Lower Upper
106 100
91 196.2 154.3 286.5



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

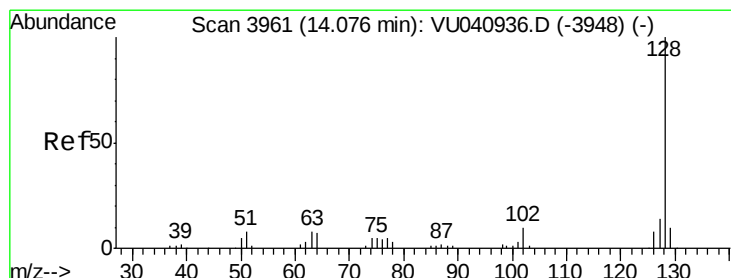
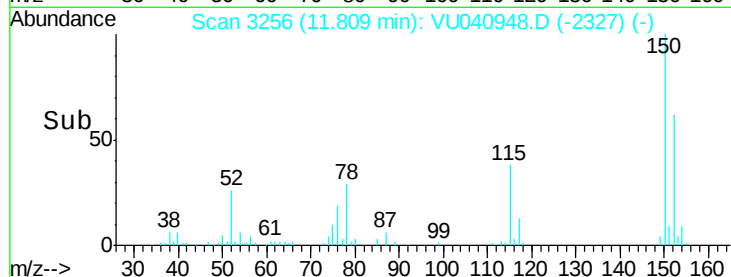
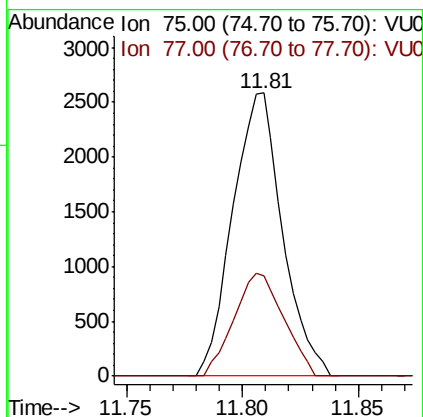
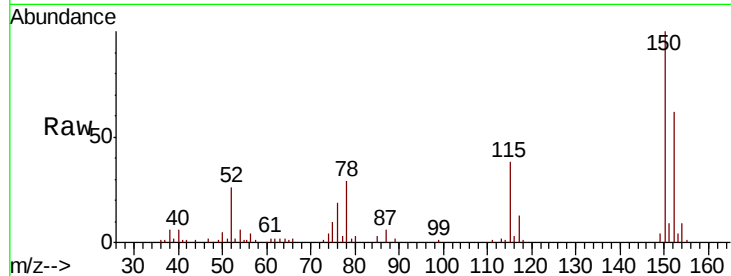




#59
 1,2,3-Trichloropropane
 Concen: 1.118 ug/L
 RT: 11.81 min Scan# 3256
 Delta R.T. 0.99 min
 Lab File: VU040948.D
 Acq: 26 Oct 2020 16:47

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AM9

Tot Ion: 75 Resp: 3852
 Ion Ratio Lower Upper
 75 100
 77 36.1 25.7 38.5



#69
 Naphthalene
 Concen: 0.214 ug/L
 RT: 14.08 min Scan# 3961
 Delta R.T. -0.00 min
 Lab File: VU040948.D
 Acq: 26 Oct 2020 16:47

Tgt Ion: 128 Resp: 1722
 Ion Ratio Lower Upper
 128 100
 129 6.4 8.7 13.1#
 127 11.1 10.8 16.2

