

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092920\
 Data File : VU040360.D
 Acq On : 29 Sep 2020 15:41
 Operator : SY/MD
 Sample : L4164-03MS
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E0AD8MS

Quant Time: Sep 30 01:52:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Sep 30 01:43:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	163369	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	161529	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	73181	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	32359	4.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.00%
7) Chloroethane-d5	1.92	69	29821	4.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.20%
11) 1,1-Dichloroethene-d2	2.58	63	79174	4.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.40%
20) 2-Butanone-d5	4.65	46	177557	44.20	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.40%
24) Chloroform-d	5.08	84	79583	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.60%
26) 1,2-Dichloroethane-d4	5.72	65	50733	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.60%
32) Benzene-d6	5.74	84	142738	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.00%
36) 1,2-Dichloropropane-d6	6.70	67	51897	4.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.40%
41) Toluene-d8	7.91	98	114001	4.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.80%
43) trans-1,3-Dichloropropene-	8.18	79	20168	4.16	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.20%
46) 2-Hexanone-d5	8.64	63	129267	45.33	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.66%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	48501	4.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	54469	4.91	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	2262	0.143	ug/L #	78
12) 1,1-Dichloroethene	2.59	96	47482	3.817	ug/L	97
13) Acetone	2.65	43	3486	1.041	ug/L	78
22) cis-1,2-Dichloroethene	4.69	96	6300	0.443	ug/L	82
25) Chloroform	5.11	83	3218	0.119	ug/L	92
27) 1,2-Dichloroethane	5.79	62	2367	0.127	ug/L #	74
33) Benzene	5.79	78	221390	4.088	ug/L	100
34) Trichloroethene	6.56	95	56054	3.899	ug/L	96
35) Methylcyclohexane	6.71	83	11823	0.561	ug/L #	14
37) 1,2-Dichloropropane	6.71	63	6029	0.400	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1545	0.076	ug/L #	79
42) Toluene	7.98	91	224408	4.041	ug/L	99
44) trans-1,3-Dichloropropene	8.18	75	1096	0.059	ug/L	86
48) 2-Hexanone	8.64	43	17374	1.996	ug/L #	70
51) Chlorobenzene	9.45	112	153270	4.269	ug/L	100
59) 1,2,3-Trichloropropane	11.81	75	10283	0.941	ug/L	93

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QLast Update : Wed Sep 30 01:43:05 2020
Response via : Initial Calibration

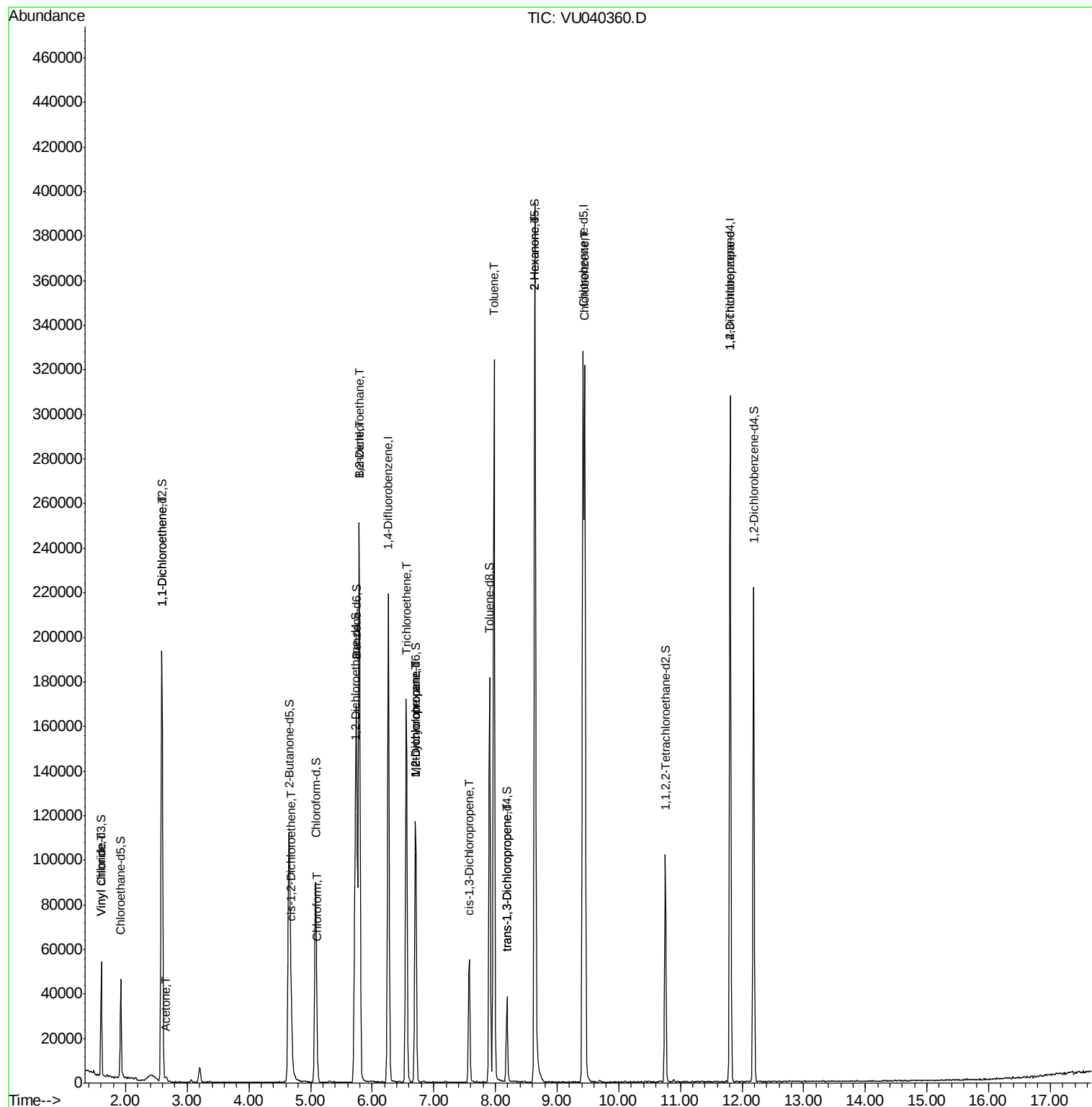
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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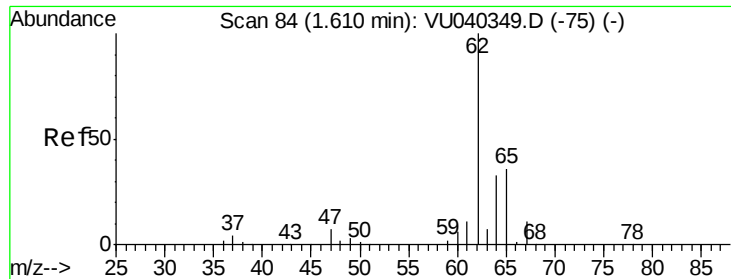
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.143 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040360.D

Acq: 29 Sep 2020 15:41

Instrument :

MSVOA_U

ClientSampled :

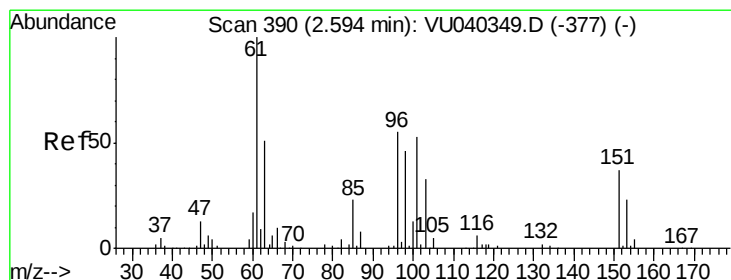
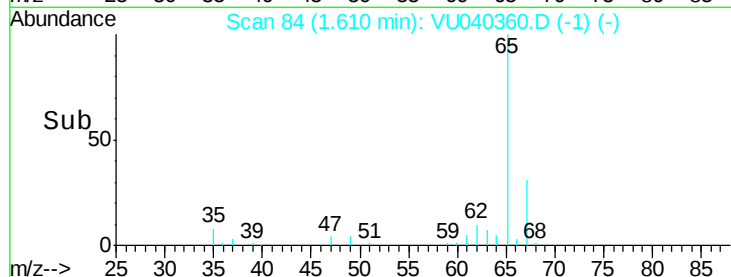
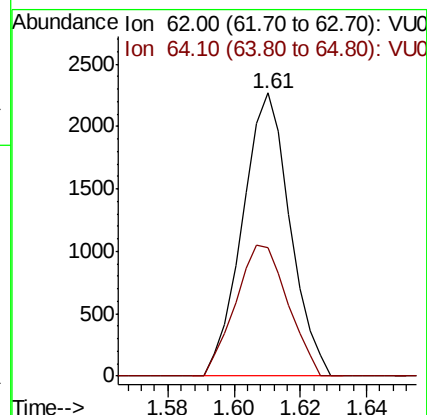
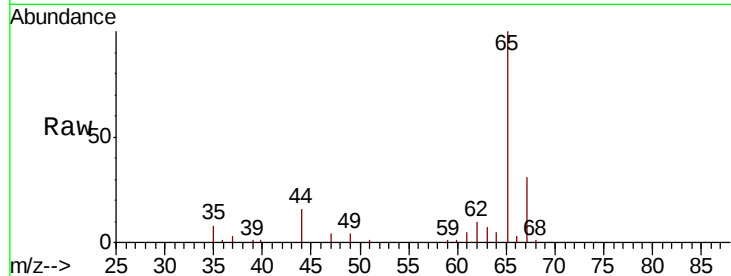
E0AD8MS

Tot Ion: 62 Resp: 2262

Ion Ratio Lower Upper

62 100

64 45.6 23.0 42.8#



#12

1,1-Dichloroethene

Concen: 3.817 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040360.D

Acq: 29 Sep 2020 15:41

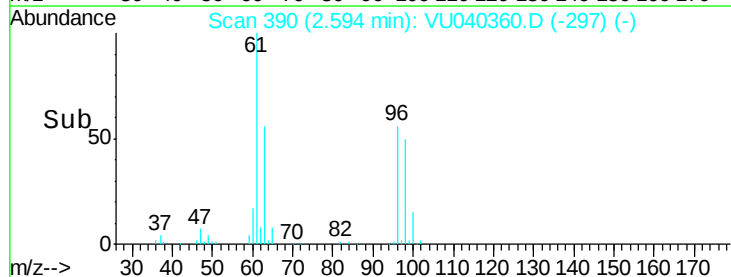
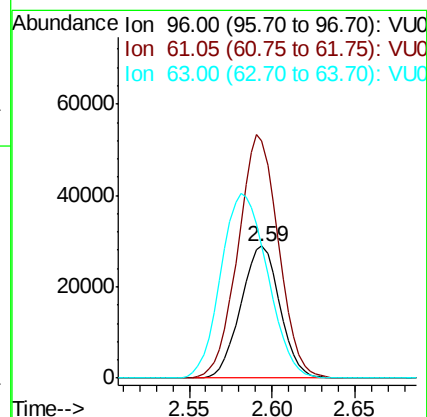
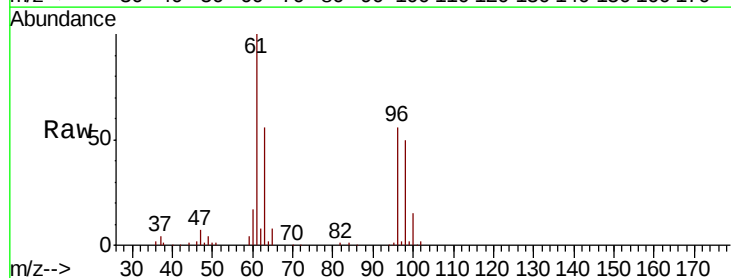
Tgt Ion: 96 Resp: 47482

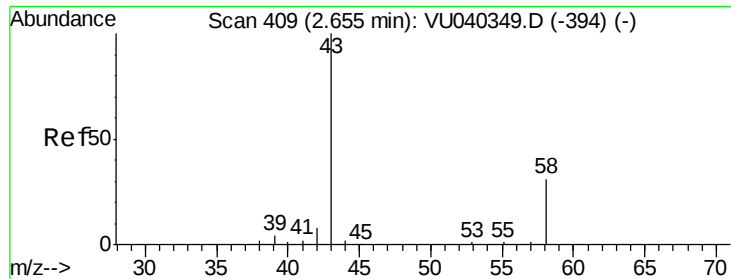
Ion Ratio Lower Upper

96 100

61 179.8 128.6 238.8

63 99.8 67.8 126.0





#13

Acetone

Concen: 1.041 ug/L

RT: 2.65 min Scan# 409

Delta R.T. -0.00 min

Lab File: VU040360.D

Acq: 29 Sep 2020 15:41

Instrument :

MSVOA_U

ClientSampleId :

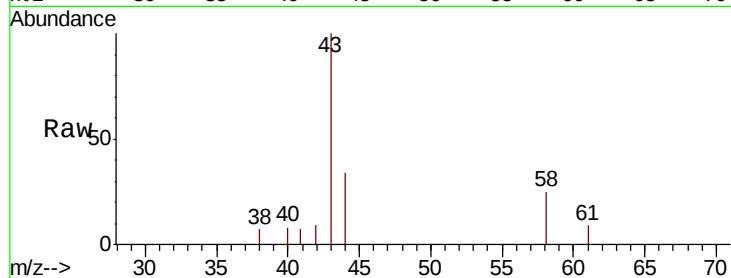
E0AD8MS

Tot Ion: 43 Resp: 3486

Ion Ratio Lower Upper

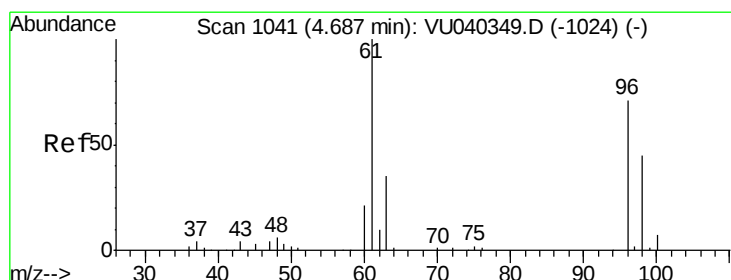
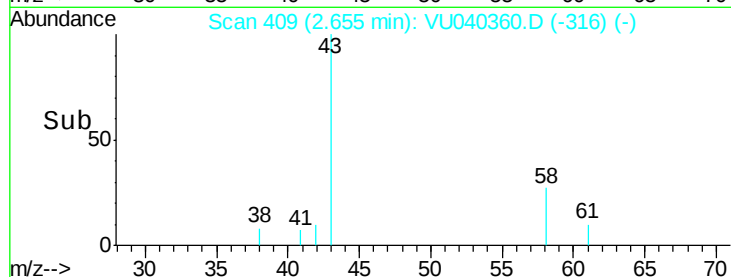
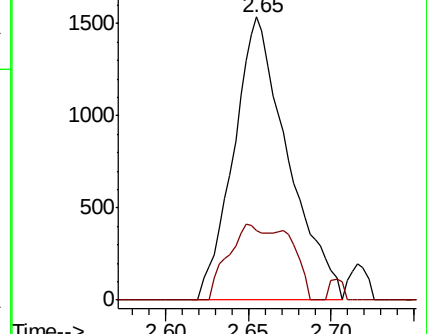
43 100

58 18.7 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#22

cis-1,2-Dichloroethene

Concen: 0.443 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU040360.D

Acq: 29 Sep 2020 15:41

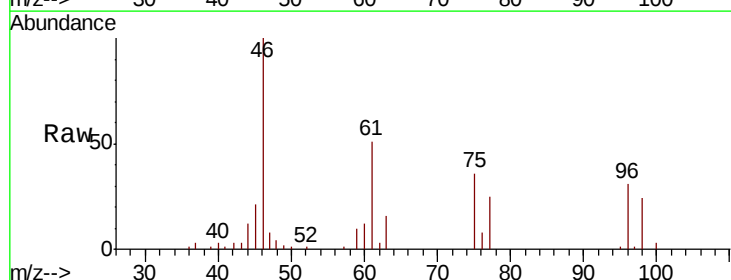
Tgt Ion: 96 Resp: 6300

Ion Ratio Lower Upper

96 100

61 163.8 99.3 184.5

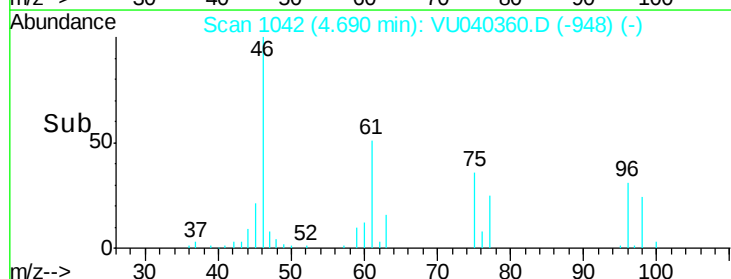
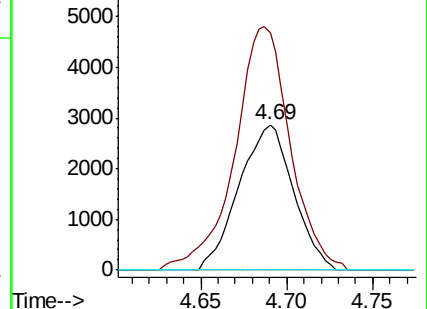
68 0.0 0.0 0.0

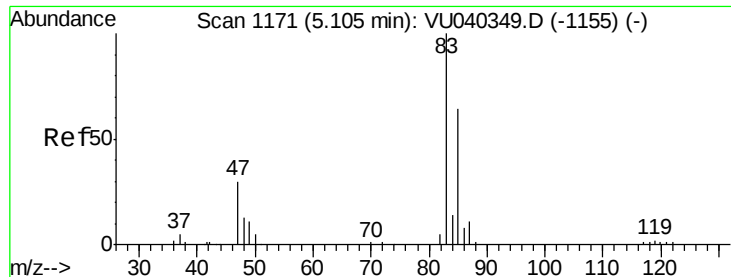


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0

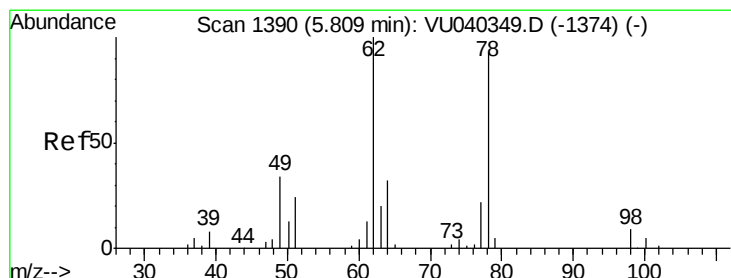
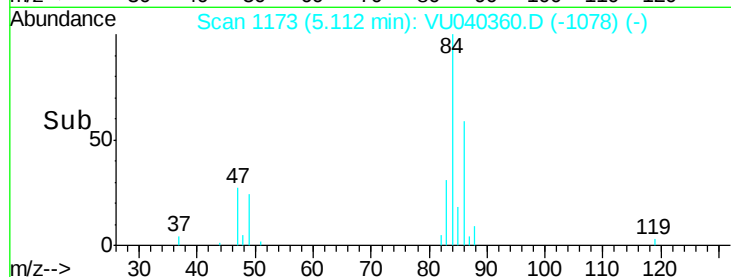
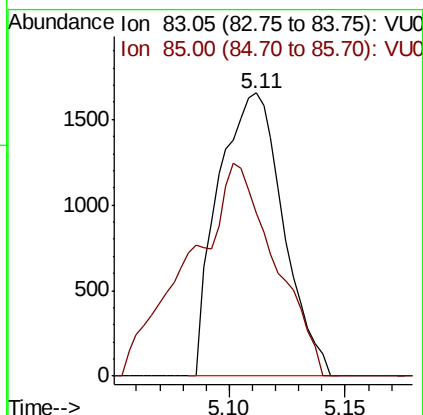
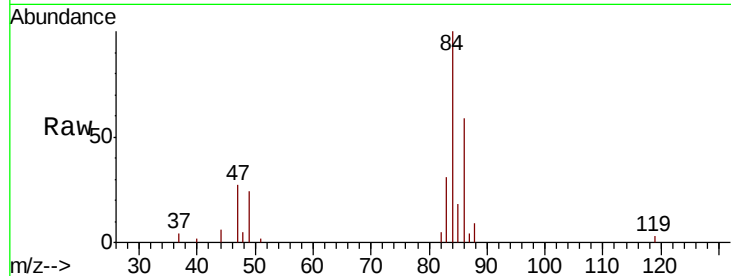




#25
Chloroform
Concen: 0.119 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.01 min
Lab File: VU040360.D
Acq: 29 Sep 2020 15:41

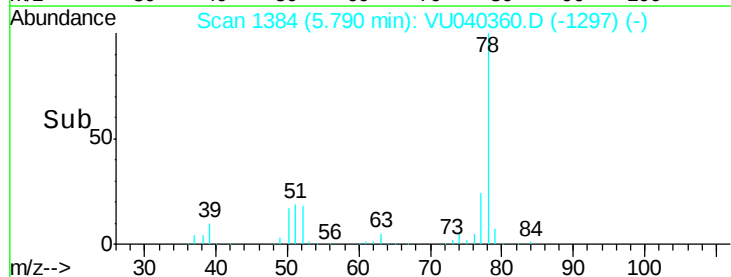
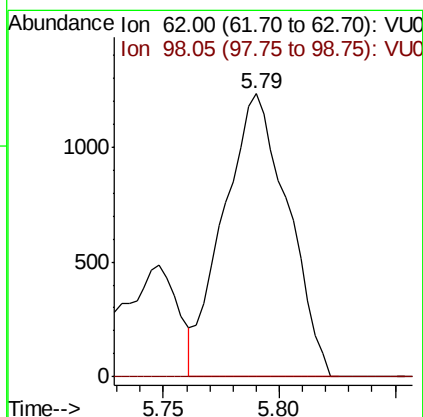
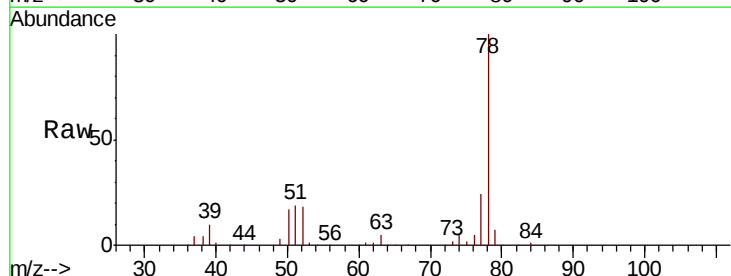
Instrument :
MSVOA_U
ClientSampleId :
E0AD8MS

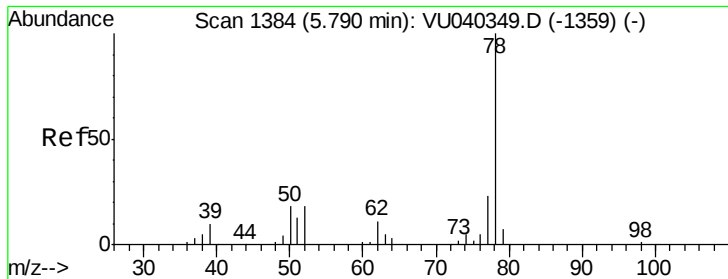
Tot Ion: 83 Resp: 3218
Ion Ratio Lower Upper
83 100
85 57.7 44.6 82.8



#27
1,2-Dichloroethane
Concen: 0.127 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. -0.02 min
Lab File: VU040360.D
Acq: 29 Sep 2020 15:41

Tgt Ion: 62 Resp: 2367
Ion Ratio Lower Upper
62 100
98 0.0 7.5 11.3#





#33

Benzene

Concen: 4.088 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. -0.00 min

Lab File: VU040360.D

Acq: 29 Sep 2020 15:41

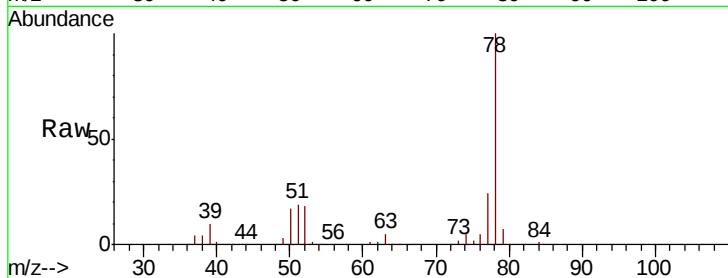
Instrument :

MSVOA_U

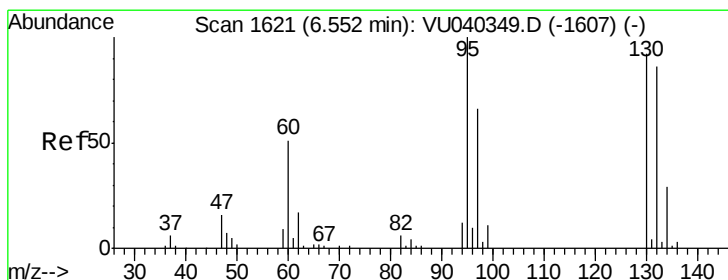
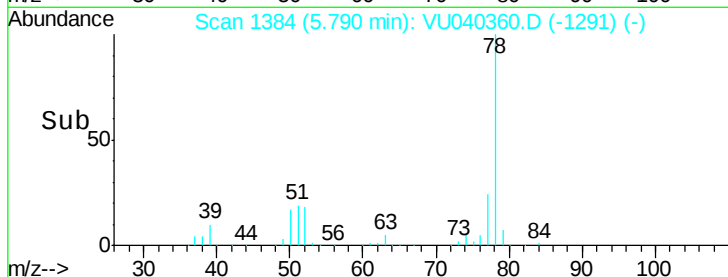
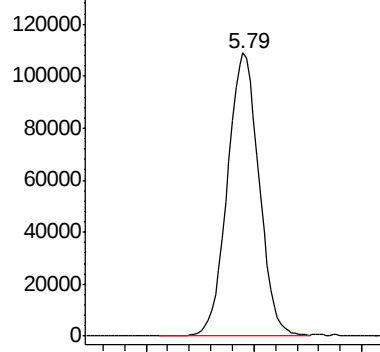
ClientSampleId :

E0AD8MS

Tgt Ion: 78 Resp: 221390



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 3.899 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040360.D

Acq: 29 Sep 2020 15:41

Tgt Ion: 95 Resp: 56054

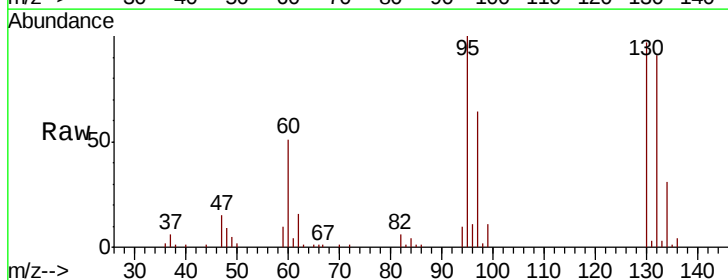
Ion	Ratio	Lower	Upper
95	100		
97	63.9	46.3	85.9
132	90.8	60.5	112.3
130	96.5	64.3	119.3

95 100

97 63.9 46.3 85.9

132 90.8 60.5 112.3

130 96.5 64.3 119.3

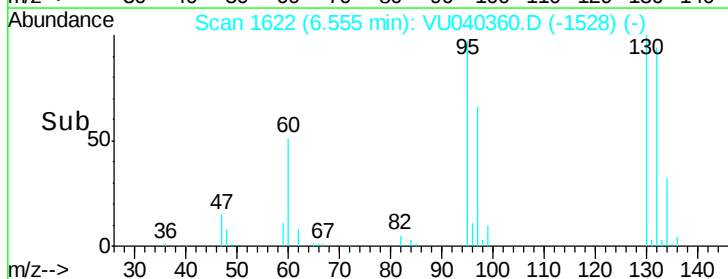
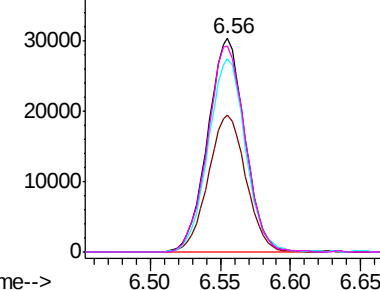


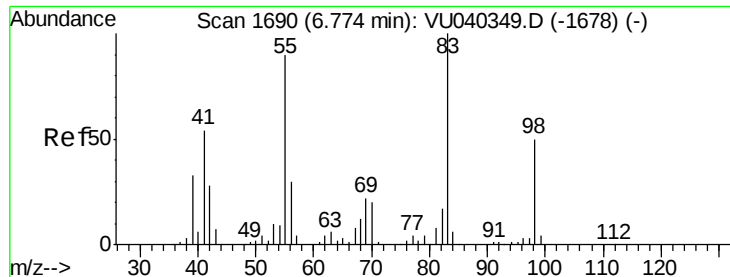
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0

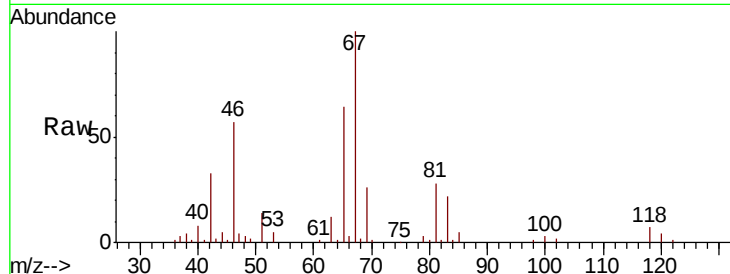




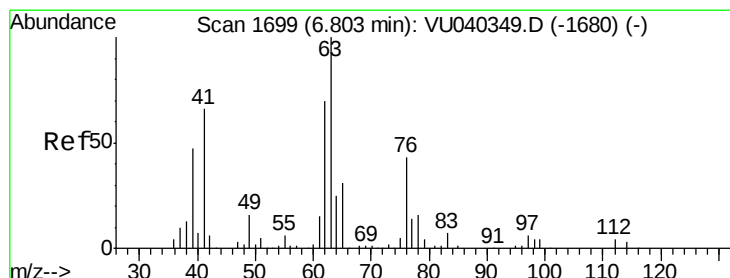
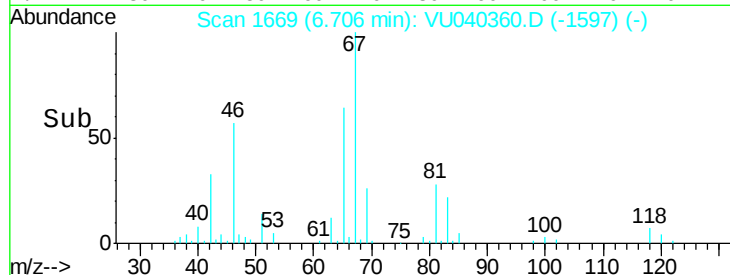
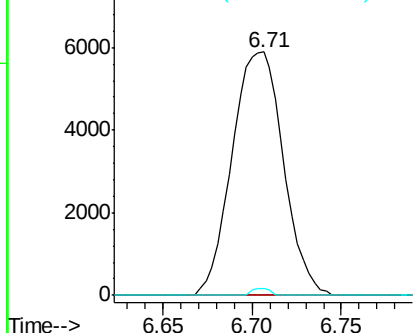
#35
Methvlcvclohexane
Concen: 0.561 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.07 min
Lab File: VU040360.D
Acq: 29 Sep 2020 15:41

Instrument :
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ClientSampleId :
E0AD8MS

Tot Ion: 83 Resp: 11823
Ion Ratio Lower Upper
83 100
55 0.0 71.4 107.2#
98 0.9 38.5 57.7#

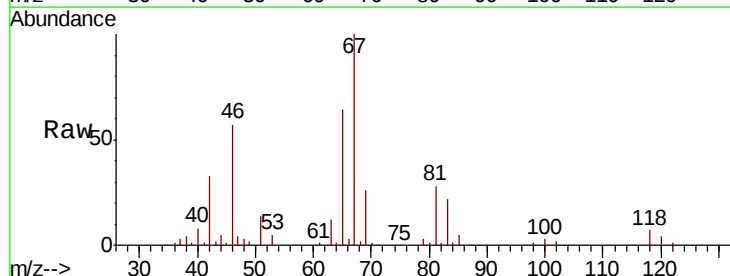


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

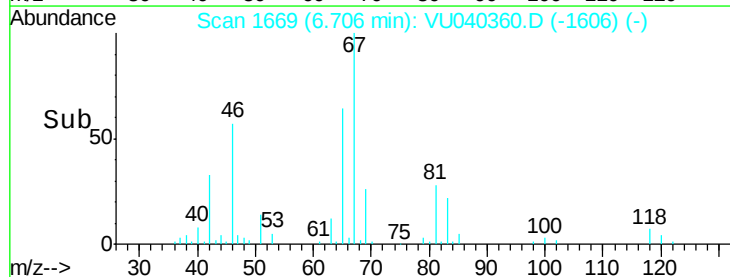
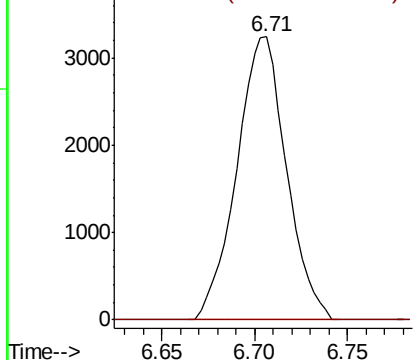


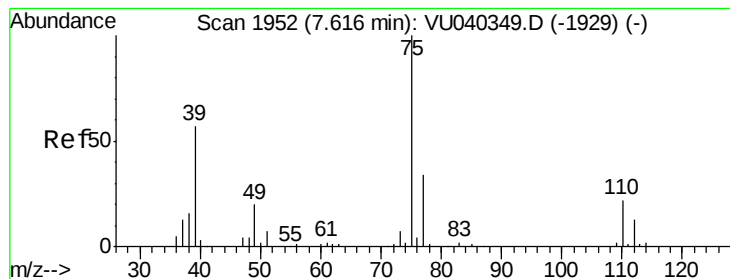
#37
1,2-Dichloropropane
Concen: 0.400 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.10 min
Lab File: VU040360.D
Acq: 29 Sep 2020 15:41

Tgt Ion: 63 Resp: 6029
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V



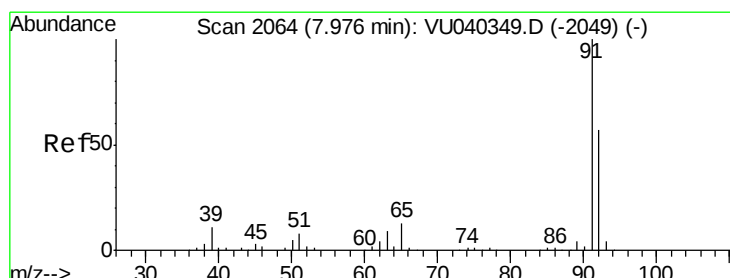
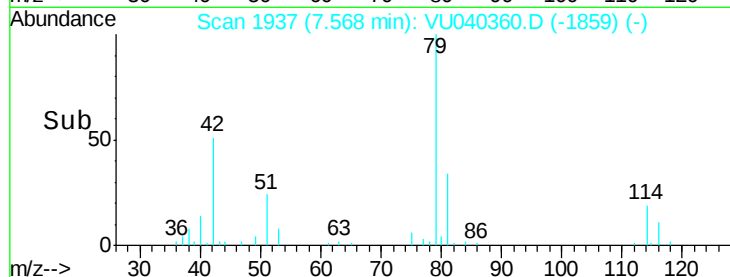
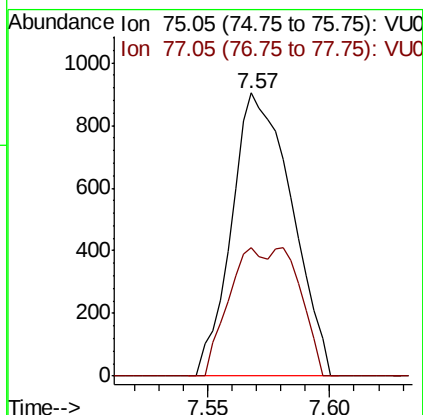
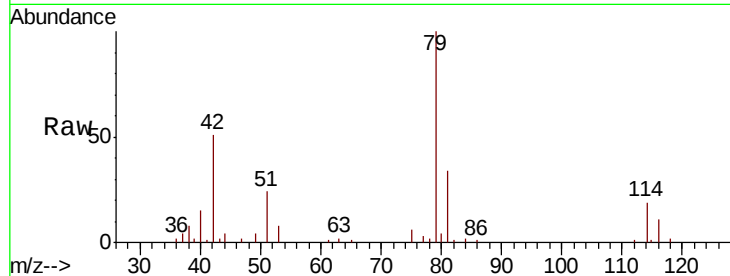


#39

cis-1,3-Dichloropropene
Concen: 0.076 ug/L
RT: 7.57 min Scan# 1937
Delta R.T. -0.05 min
Lab File: VU040360.D
Acq: 29 Sep 2020 15:41

Instrument :
MSVOA_U
ClientSampleId :
E0AD8MS

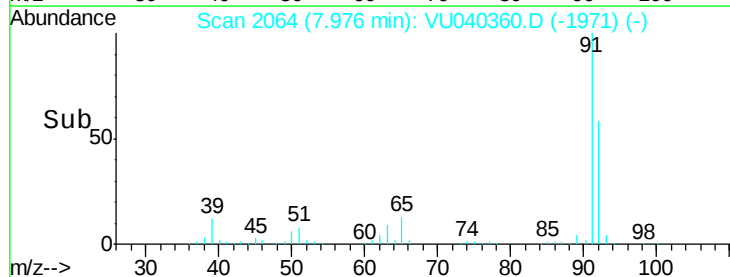
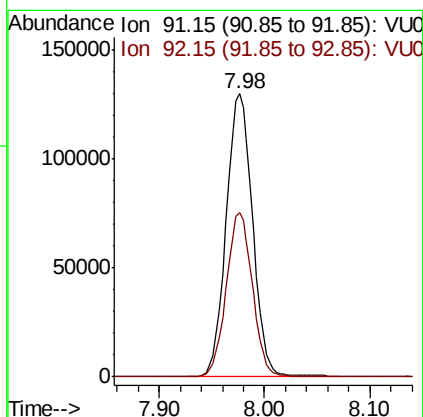
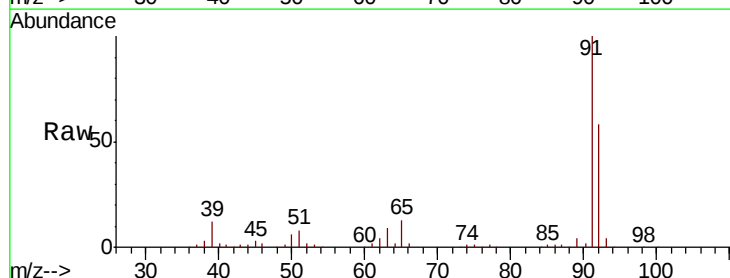
Tot Ion: 75 Resp: 1545
Ion Ratio Lower Upper
75 100
77 45.4 23.5 43.7#

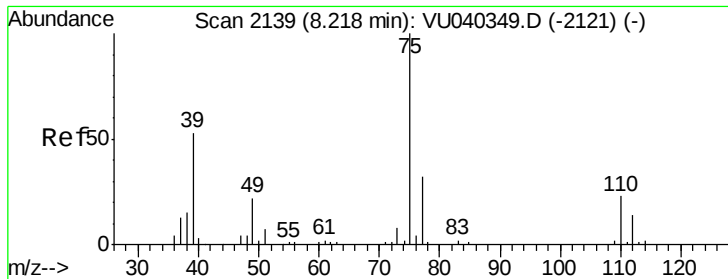


#42

Toluene
Concen: 4.041 ug/L
RT: 7.98 min Scan# 2064
Delta R.T. -0.00 min
Lab File: VU040360.D
Acq: 29 Sep 2020 15:41

Tgt Ion: 91 Resp: 224408
Ion Ratio Lower Upper
91 100
92 58.3 40.0 74.4





#44

trans-1,3-Dichloropropene

Concen: 0.059 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.04 min

Lab File: VU040360.D

Acq: 29 Sep 2020 15:41

Instrument :

MSVOA_U

ClientSampleId :

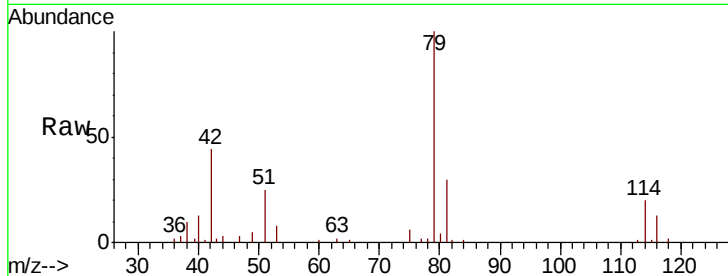
E0AD8MS

Tot Ion: 75 Resp: 1096

Ion Ratio Lower Upper

75 100

77 39.7 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.18

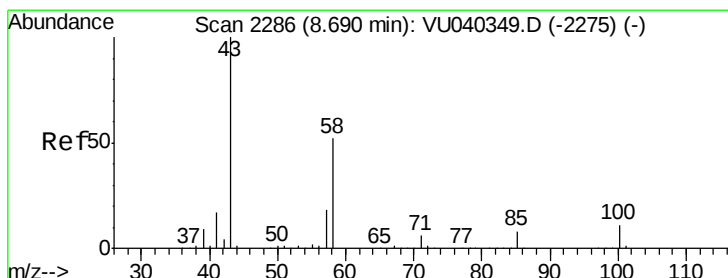
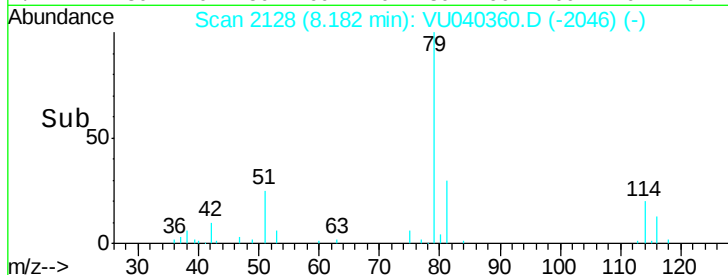
600

400

200

0

Time-->



#48

2-Hexanone

Concen: 1.996 ug/L

RT: 8.64 min Scan# 2270

Delta R.T. -0.05 min

Lab File: VU040360.D

Acq: 29 Sep 2020 15:41

Tgt Ion: 43 Resp: 17374

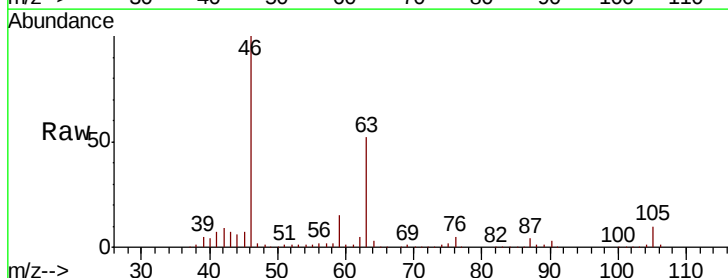
Ion Ratio Lower Upper

43 100

58 29.0 41.0 61.4#

57 29.1 14.6 22.0#

100 0.3 8.2 12.4#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0

8.64

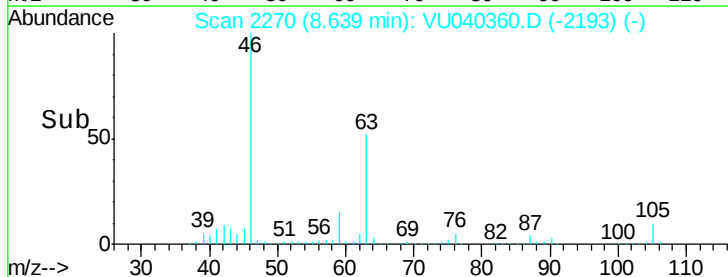
15000

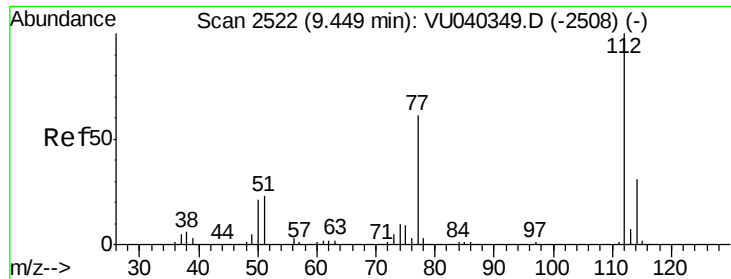
10000

5000

0

Time-->

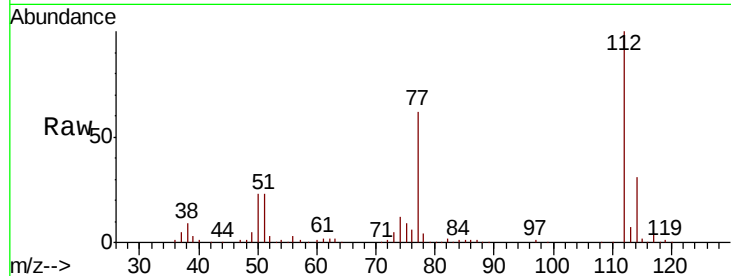




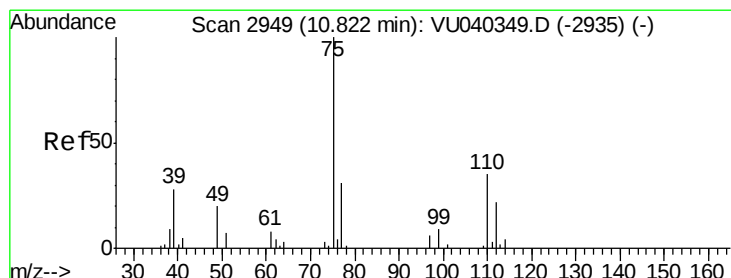
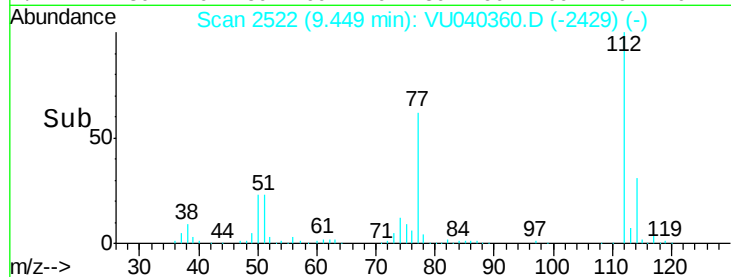
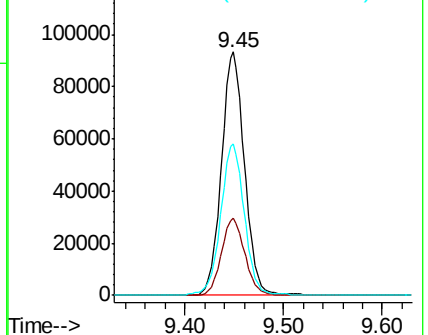
#51
Chlorobenzene
Concen: 4.269 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU040360.D
Acq: 29 Sep 2020 15:41

Instrument :
MSVOA_U
ClientSampleId :
E0AD8MS

Tot Ion:112 Resp: 153270
Ion Ratio Lower Upper
112 100
114 31.5 22.0 40.8
77 62.3 49.5 74.3

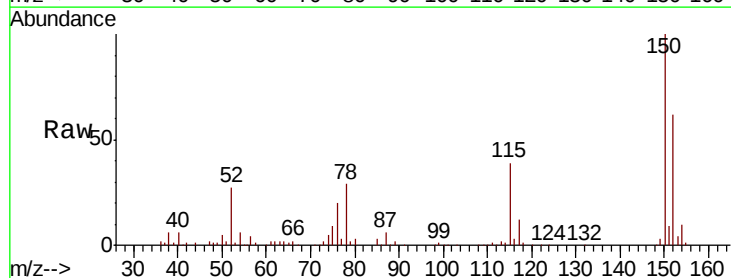


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V



#59
1,2,3-Trichloropropane
Concen: 0.941 ug/L
RT: 11.81 min Scan# 3255
Delta R.T. 0.98 min
Lab File: VU040360.D
Acq: 29 Sep 2020 15:41

Tgt Ion: 75 Resp: 10283
Ion Ratio Lower Upper
75 100
77 36.0 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

