

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101520\
 Data File : VU040734.D
 Acq On : 15 Oct 2020 20:33
 Operator : SY/MD
 Sample : L4354-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ17

Quant Time: Oct 16 04:34:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 16 04:23:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	110356	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	116114	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	47981	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	40102	4.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.60%
7) Chloroethane-d5	1.92	69	37539	5.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.40%
11) 1,1-Dichloroethene-d2	2.58	63	63318	3.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.80%
20) 2-Butanone-d5	4.66	46	167524	57.25	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.50%
24) Chloroform-d	5.08	84	88022	5.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.80%
26) 1,2-Dichloroethane-d4	5.72	65	54268	5.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.00%
32) Benzene-d6	5.75	84	156541	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
36) 1,2-Dichloropropane-d6	6.70	67	54681	5.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.20%
41) Toluene-d8	7.91	98	123923	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.40%
43) trans-1,3-Dichloropropene-	8.19	79	20432	4.64	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.80%
46) 2-Hexanone-d5	8.64	63	117250	51.66	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.32%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	50524	5.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	53145	5.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	119.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.50	85	830	0.083 ug/L	100
3) Chloromethane	1.53	50	4409	0.472 ug/L	84
8) Chloroethane	1.94	64	1111	0.177 ug/L #	50
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	409	0.045 ug/L #	20
12) 1,1-Dichloroethene	2.58	96	609	0.077 ug/L #	1
13) Acetone	2.66	43	5440	2.398 ug/L	75
17) Methyl tert-butyl Ether	3.38	73	1626	0.073 ug/L #	72
19) 1,1-Dichloroethane	3.88	63	2078	0.122 ug/L #	87
22) cis-1,2-Dichloroethene	4.68	96	3545	0.399 ug/L	85
27) 1,2-Dichloroethane	5.82	62	648	0.053 ug/L #	77
29) 1,1,1-Trichloroethane	5.33	97	47080	3.017 ug/L	99
31) Carbon tetrachloride	5.34	117	5469	0.410 ug/L	100
33) Benzene	5.75	78	1295	0.035 ug/L	100
35) Methylcyclohexane	6.70	83	12636	0.921 ug/L #	14
37) 1,2-Dichloropropane	6.70	63	6032	0.580 ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1692	0.119 ug/L #	57
44) trans-1,3-Dichloropropene	8.18	75	920	0.070 ug/L #	67

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QLast Update : Fri Oct 16 04:23:22 2020
Response via : Initial Calibration

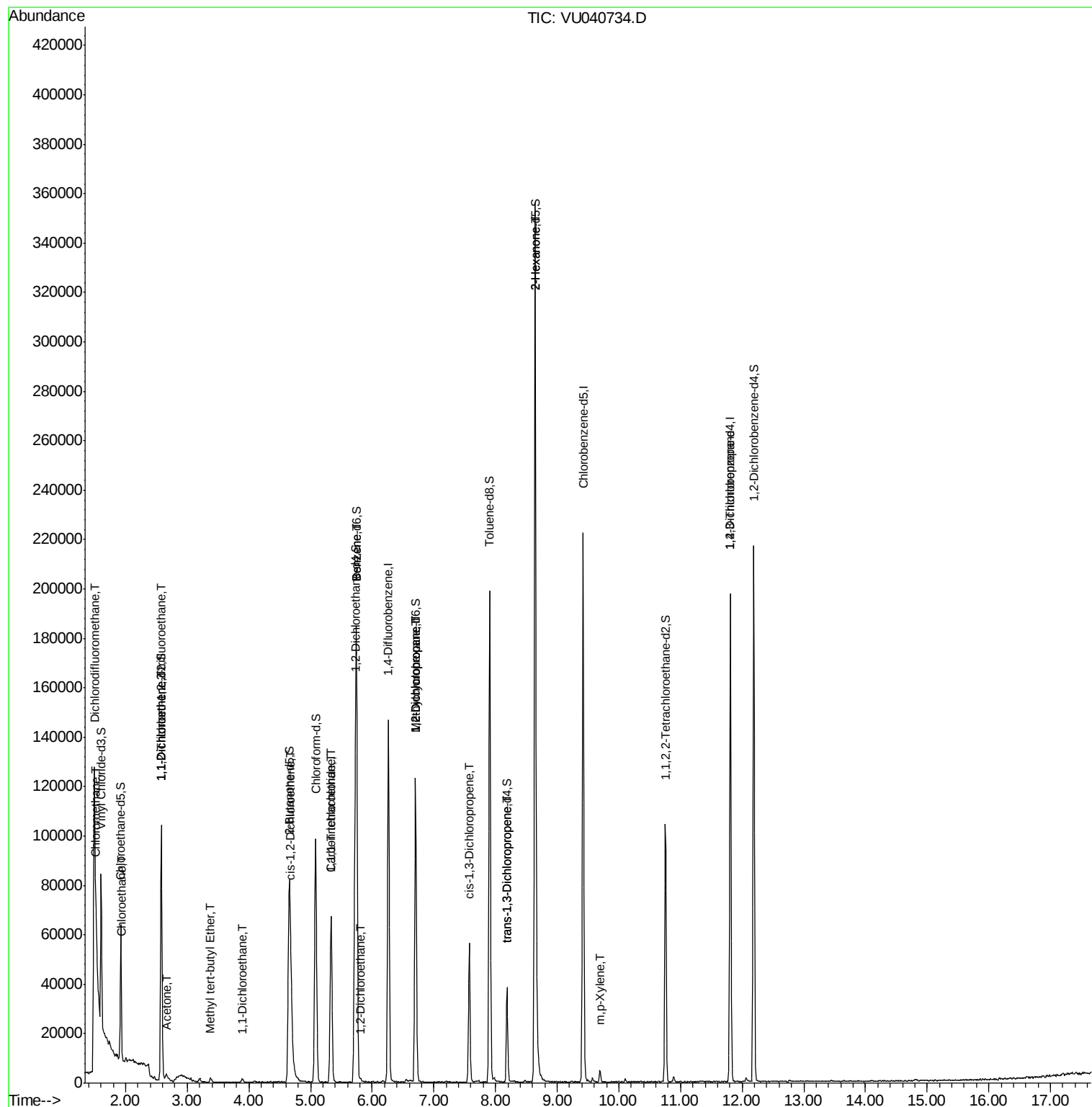
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Hexanone	8.64	43	17512	2.838	ug/L #	69
53) m,p-Xylene	9.70	106	1447	0.096	ug/L	91
59) 1,2,3-Trichloropropane	11.81	75	6568	0.860	ug/L	89

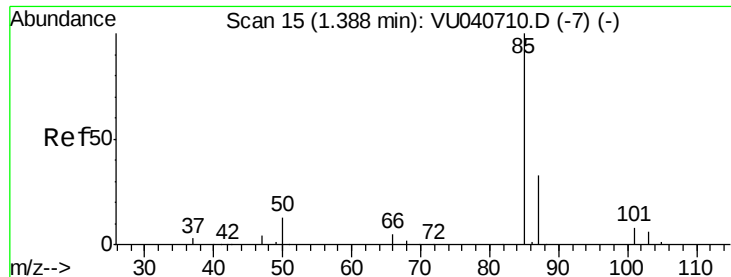
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#2

Dichlorodifluoromethane

Concen: 0.083 ug/L

RT: 1.50 min Scan# 49

Delta R.T. 0.11 min

Lab File: VU040734.D

Acq: 15 Oct 2020 20:33

Instrument :

MSVOA_U

ClientSampleId :

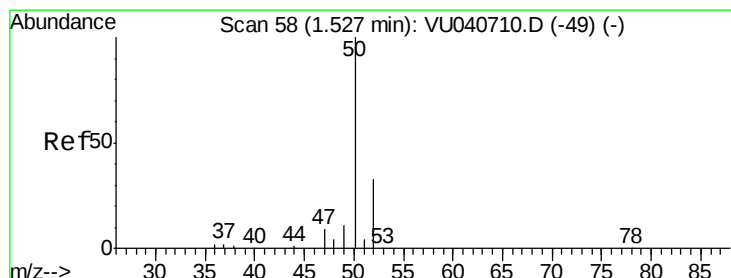
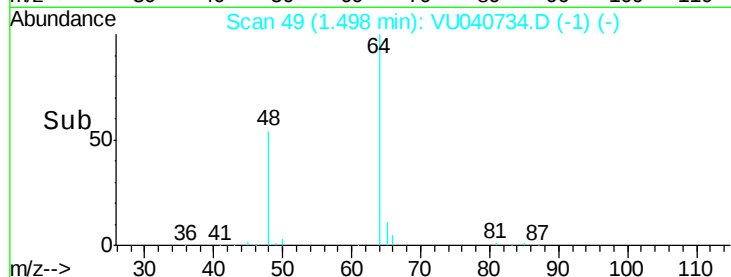
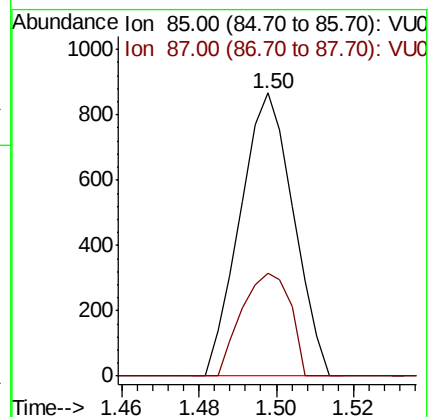
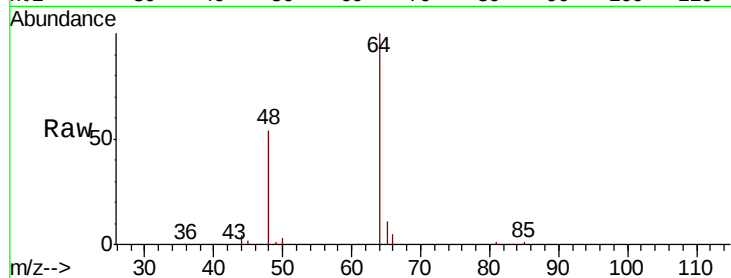
ETZ17

Tot Ion: 85 Resp: 830

Ion Ratio Lower Upper

85 100

87 33.0 26.2 39.4



#3

Chloromethane

Concen: 0.472 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040734.D

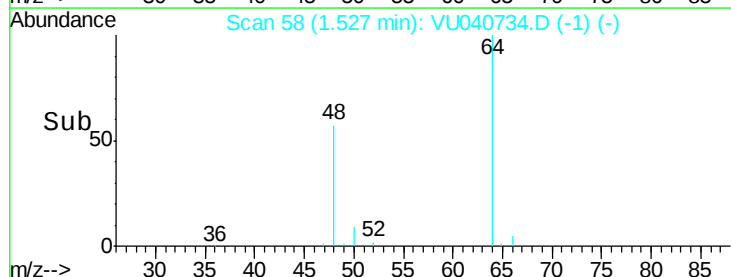
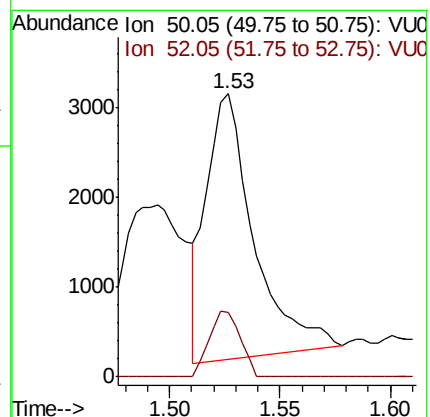
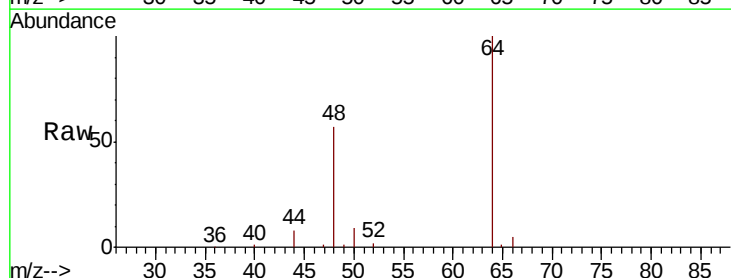
Acq: 15 Oct 2020 20:33

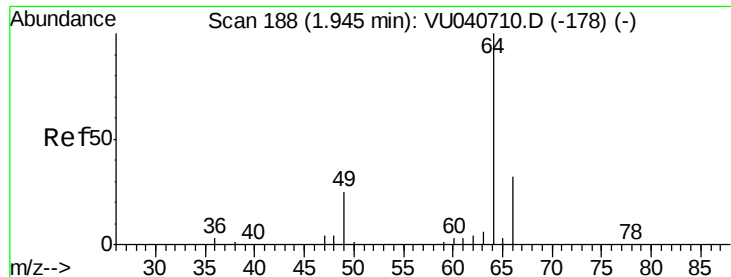
Tgt Ion: 50 Resp: 4409

Ion Ratio Lower Upper

50 100

52 22.6 21.9 40.7

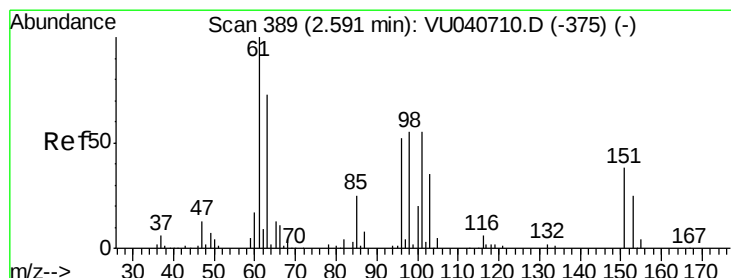
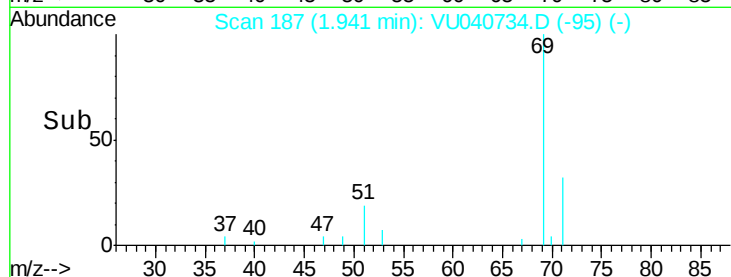
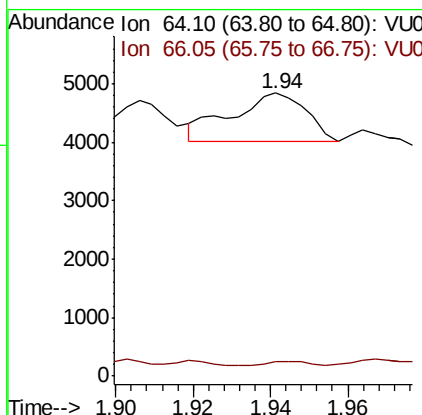
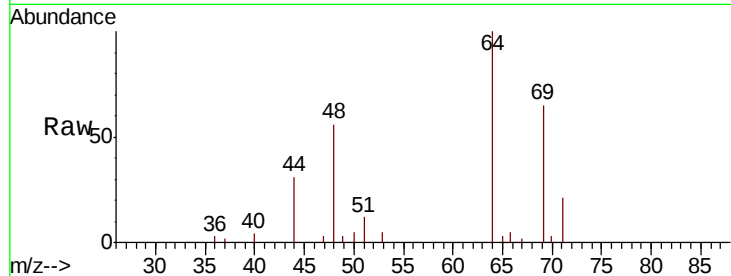




#8
Chloroethane
Concen: 0.177 ug/L
RT: 1.94 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU040734.D
Acq: 15 Oct 2020 20:33

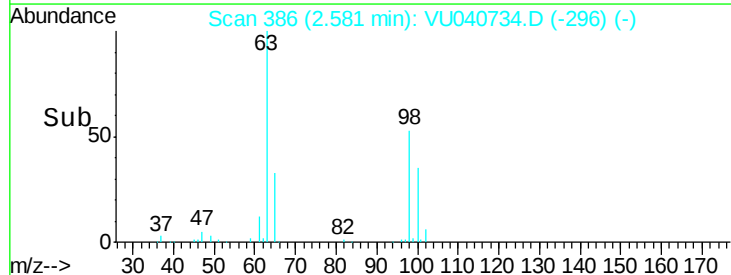
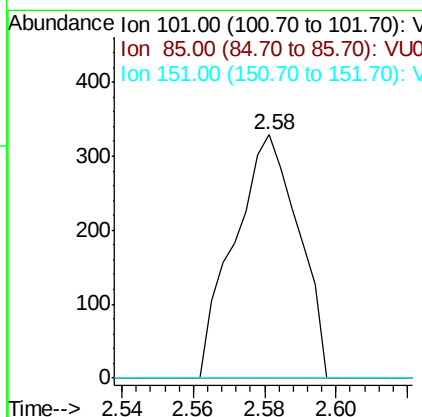
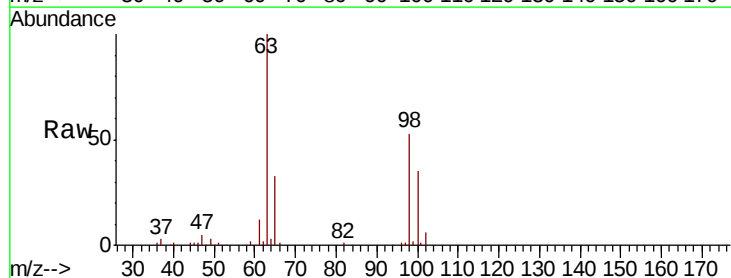
Instrument :
MSVOA_U
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ETZ17

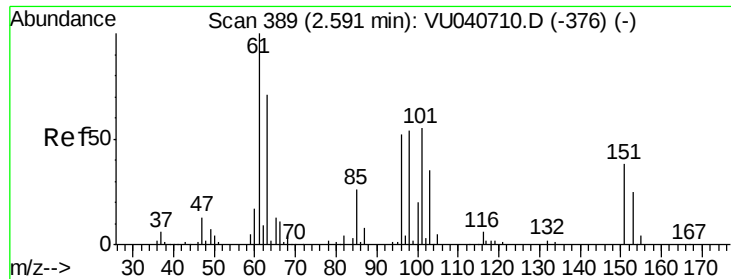
Tot Ion: 64 Resp: 1111
Ion Ratio Lower Upper
64 100
66 5.0 23.3 43.3#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.045 ug/L
RT: 2.58 min Scan# 386
Delta R.T. -0.01 min
Lab File: VU040734.D
Acq: 15 Oct 2020 20:33

Tgt Ion: 101 Resp: 409
Ion Ratio Lower Upper
101 100
85 0.0 36.7 55.1#
151 0.0 58.0 87.0#

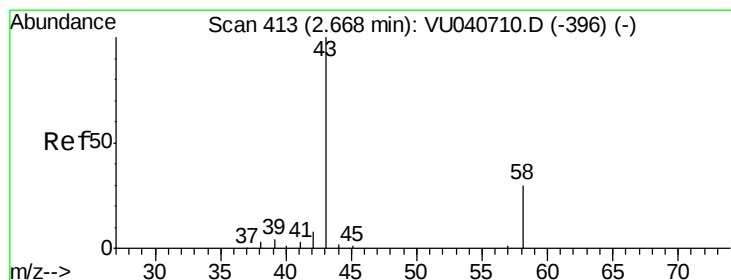
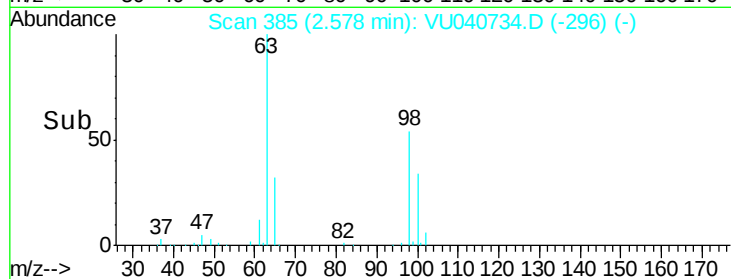
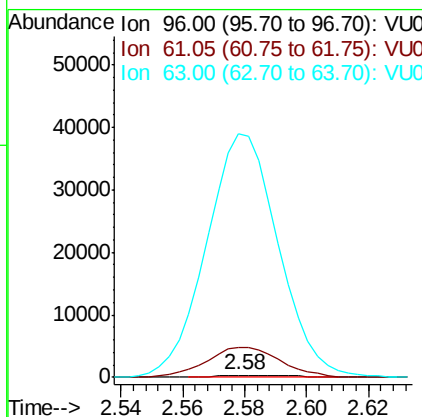
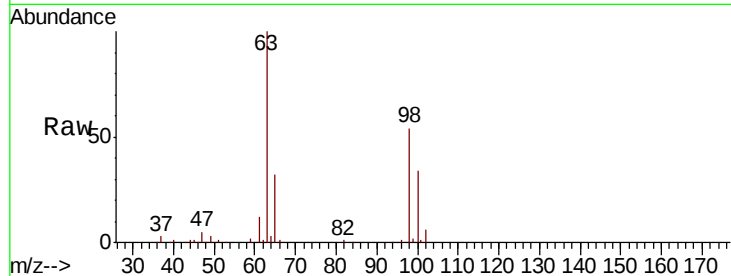




#12
 1,1-Dichloroethene
 Concen: 0.077 ug/L
 RT: 2.58 min Scan# 385
 Delta R.T. -0.01 min
 Lab File: VU040734.D
 Acq: 15 Oct 2020 20:33

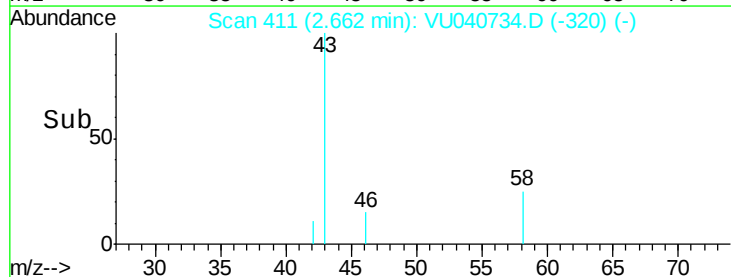
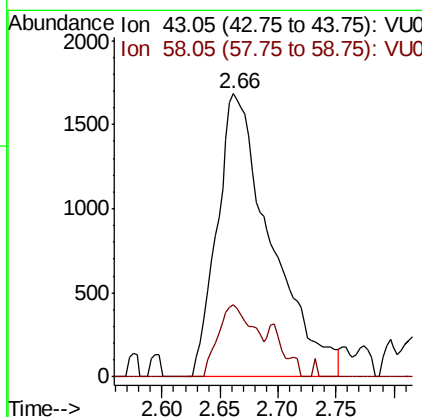
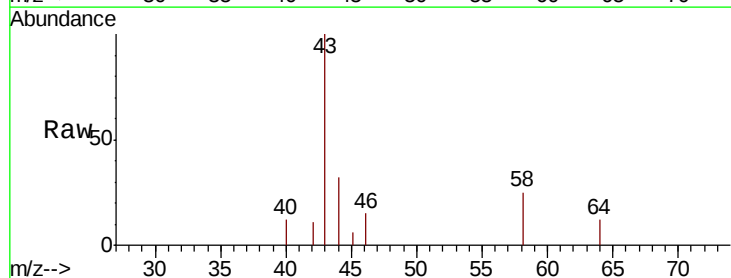
Instrument :
 MSVOA_U
 ClientSampled :
 ETZ17

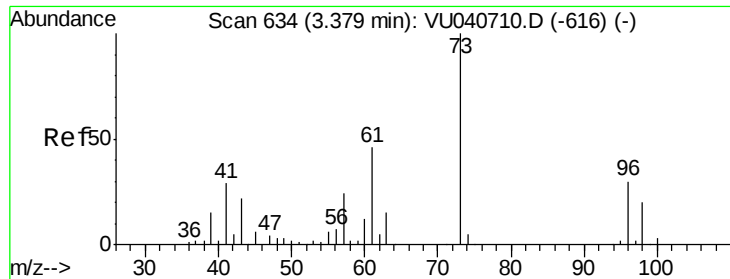
Tot Ion: 96 Resp: 609
 Ion Ratio Lower Upper
 96 100
 61 1328.0 128.8 239.2#
 63 10709.9 84.6 157.2#



#13
 Acetone
 Concen: 2.398 ug/L
 RT: 2.66 min Scan# 411
 Delta R.T. -0.01 min
 Lab File: VU040734.D
 Acq: 15 Oct 2020 20:33

Tgt Ion: 43 Resp: 5440
 Ion Ratio Lower Upper
 43 100
 58 16.8 0.0 60.6

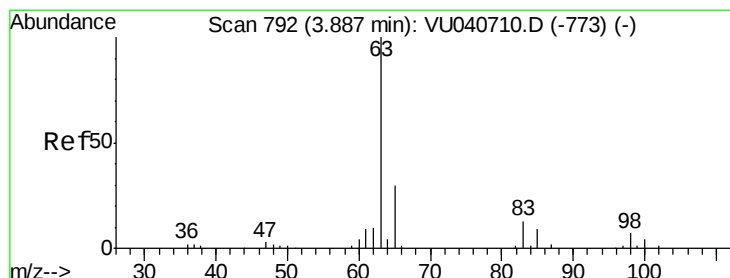
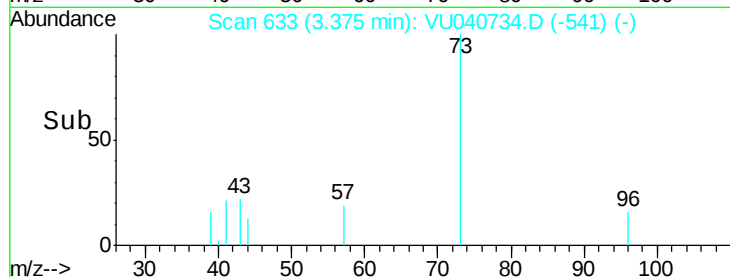
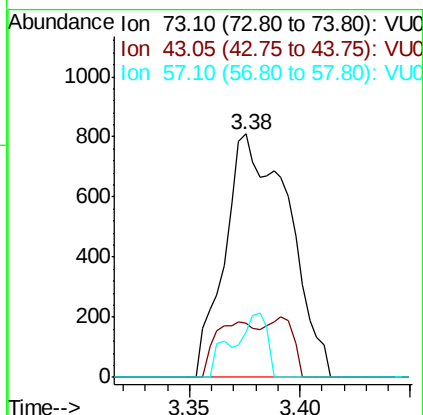
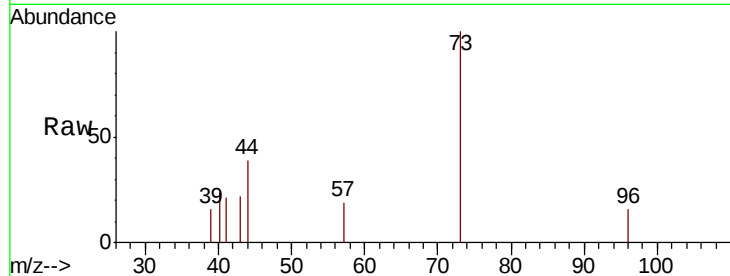




#17
Methvl tert-butvl Ether
Concen: 0.073 ug/L
RT: 3.38 min Scan# 633
Delta R.T. -0.00 min
Lab File: VU040734.D
Acq: 15 Oct 2020 20:33

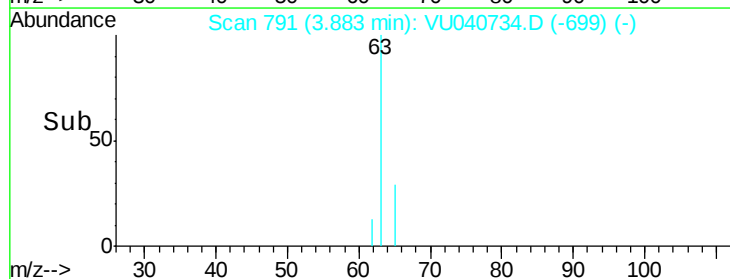
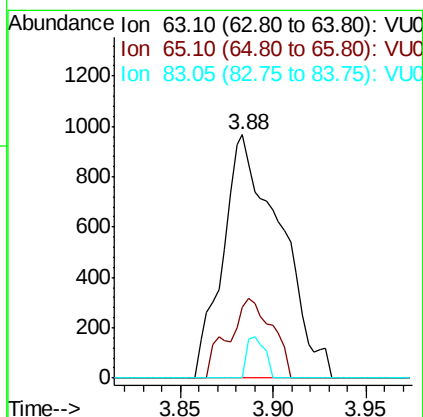
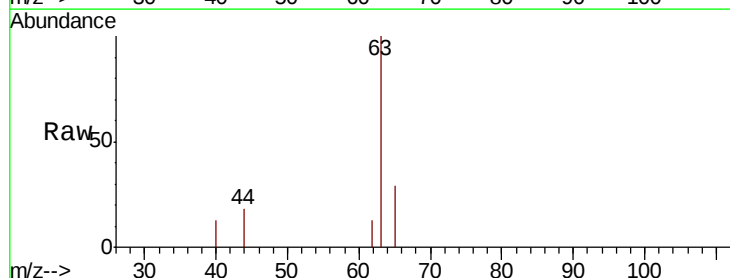
Instrument :
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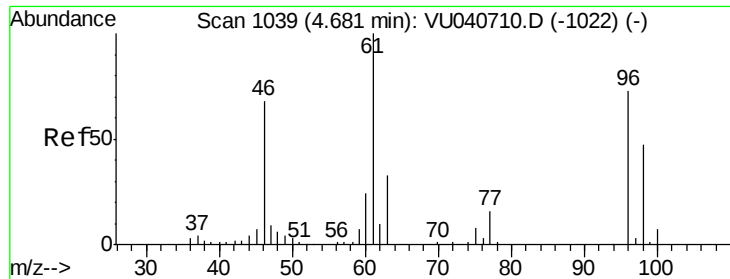
Tot Ion: 73 Resp: 1626
Ion Ratio Lower Upper
73 100
43 15.3 18.2 27.4#
57 4.0 18.6 28.0#



#19
1,1-Dichloroethane
Concen: 0.122 ug/L
RT: 3.88 min Scan# 791
Delta R.T. -0.00 min
Lab File: VU040734.D
Acq: 15 Oct 2020 20:33

Tgt Ion: 63 Resp: 2078
Ion Ratio Lower Upper
63 100
65 28.9 21.9 40.7
83 0.0 9.6 17.8#

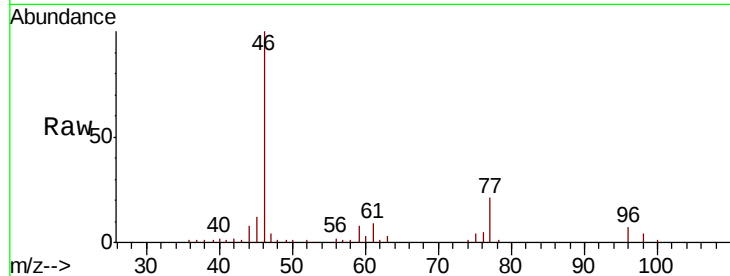




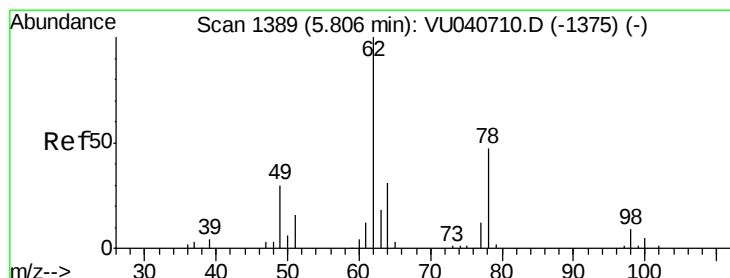
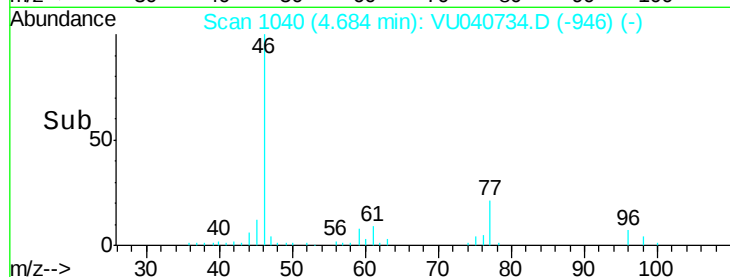
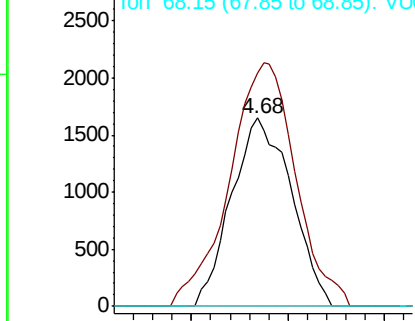
#22
 cis-1,2-Dichloroethene
 Concen: 0.399 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: VU040734.D
 Acq: 15 Oct 2020 20:33

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ17

Tot Ion: 96 Resp: 3545
 Ion Ratio Lower Upper
 96 100
 61 124.0 99.8 185.4
 68 0.0 0.0 0.0

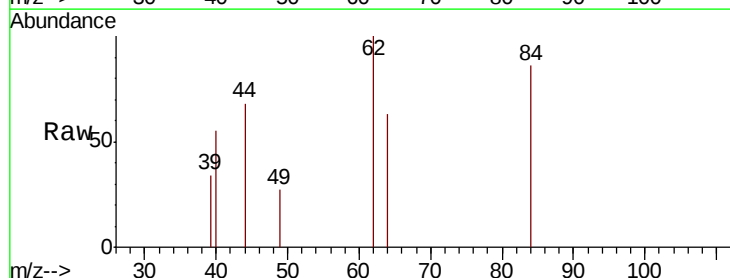


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

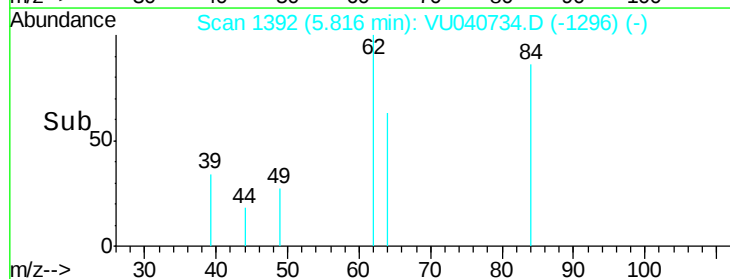
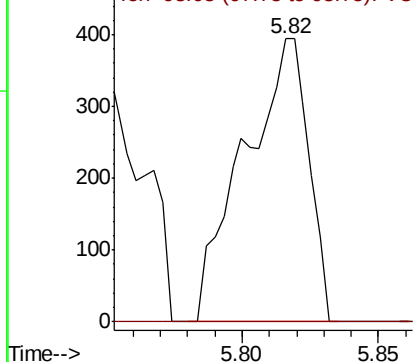


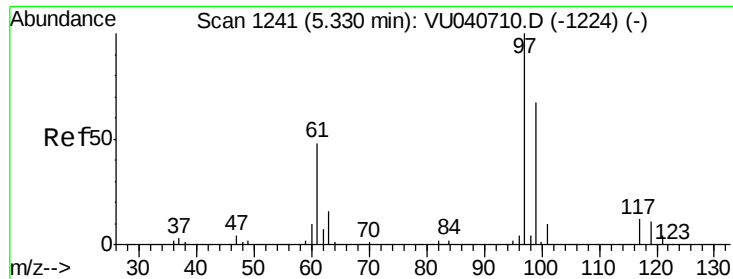
#27
 1,2-Dichloroethane
 Concen: 0.053 ug/L
 RT: 5.82 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: VU040734.D
 Acq: 15 Oct 2020 20:33

Tgt Ion: 62 Resp: 648
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VU0
 Ion 98.05 (97.75 to 98.75): VU0

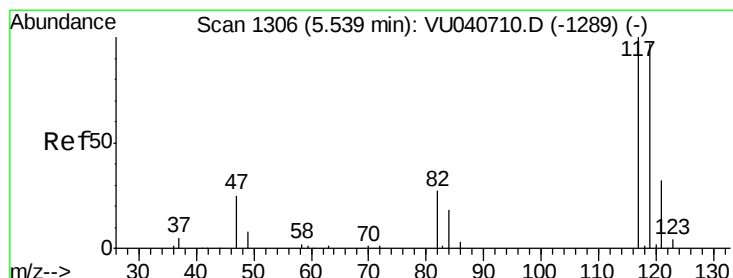
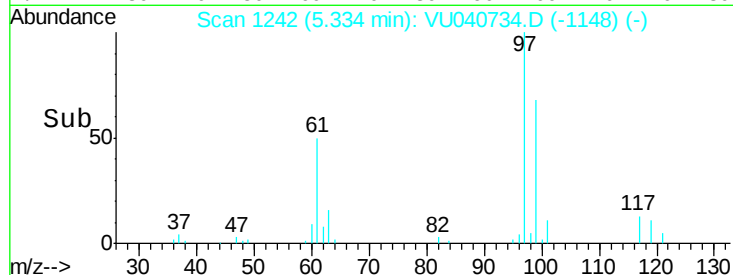
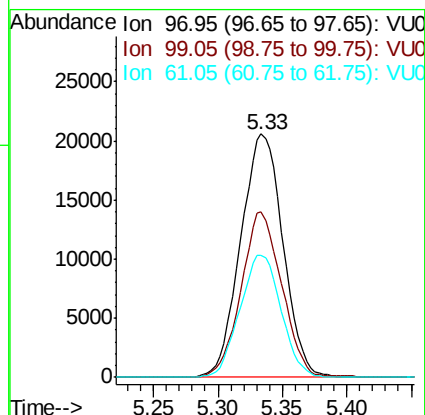
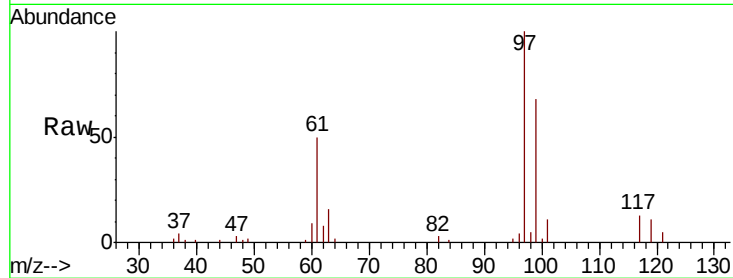




#29
1,1,1-Trichloroethane
Concen: 3.017 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VU040734.D
Acq: 15 Oct 2020 20:33

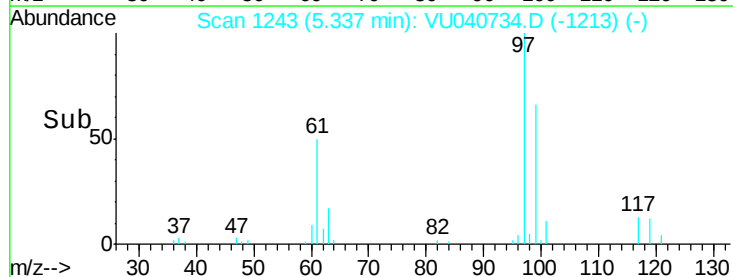
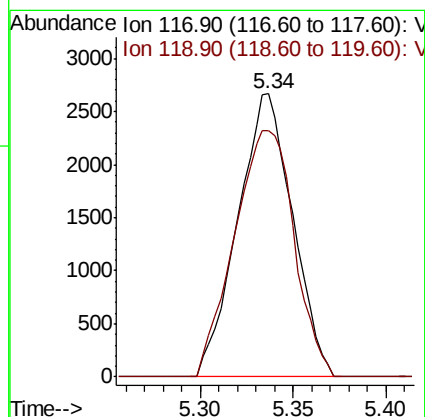
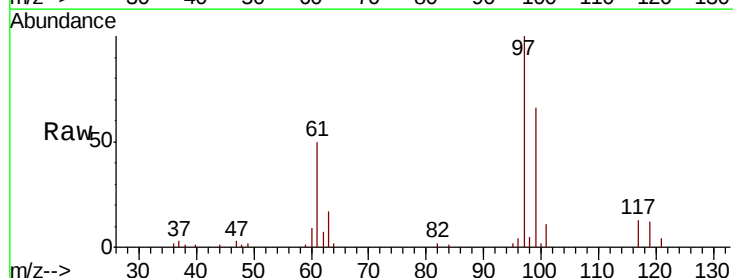
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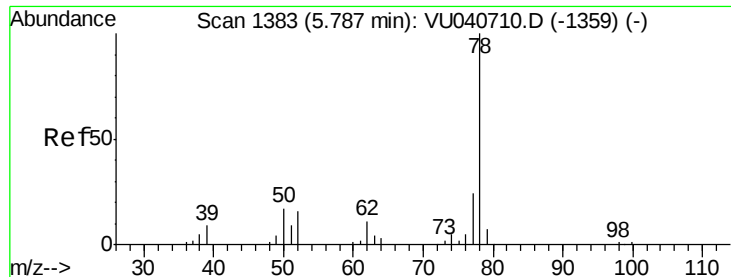
Tot Ion: 97 Resp: 47080
Ion Ratio Lower Upper
97 100
99 65.3 51.3 76.9
61 48.7 39.4 59.2



#31
Carbon tetrachloride
Concen: 0.410 ug/L
RT: 5.34 min Scan# 1243
Delta R.T. -0.20 min
Lab File: VU040734.D
Acq: 15 Oct 2020 20:33

Tgt Ion: 117 Resp: 5469
Ion Ratio Lower Upper
117 100
119 94.9 76.2 114.2





#33

Benzene

Concen: 0.035 ug/L

RT: 5.75 min Scan# 1370

Delta R.T. -0.04 min

Lab File: VU040734.D

Acq: 15 Oct 2020 20:33

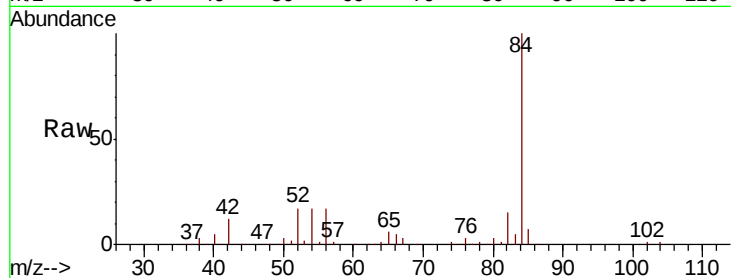
Instrument :

MSVOA_U

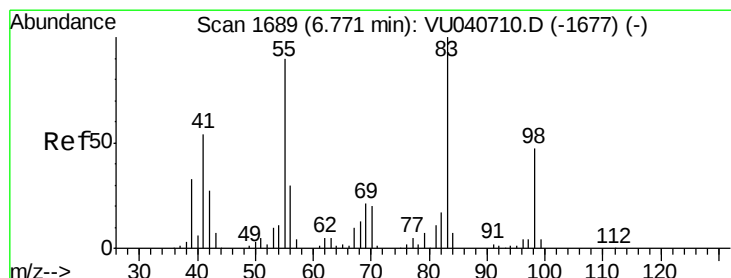
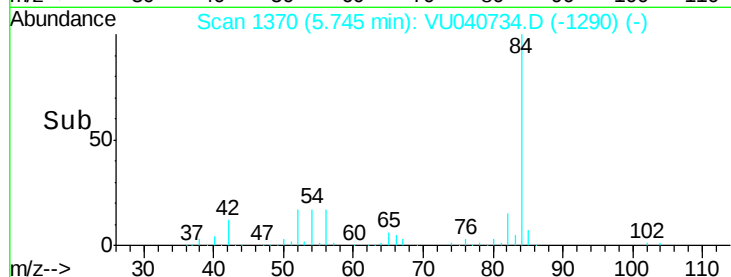
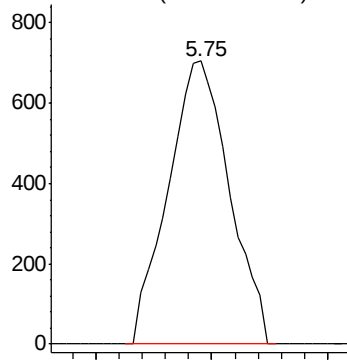
ClientSampleId :

ETZ17

Tgt Ion: 78 Resp: 1295



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.921 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU040734.D

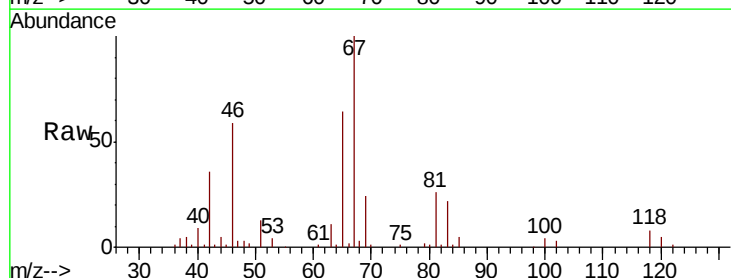
Acq: 15 Oct 2020 20:33

Tgt Ion: 83 Resp: 12636

Ion	Ratio	Lower	Upper
83	100		

55	0.2	70.7	106.1#
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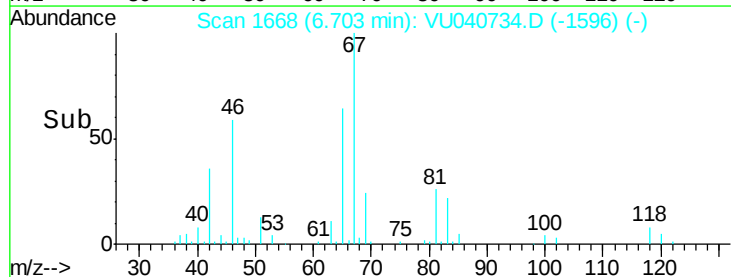
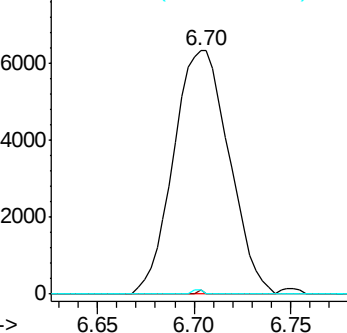
98	0.4	38.4	57.6#
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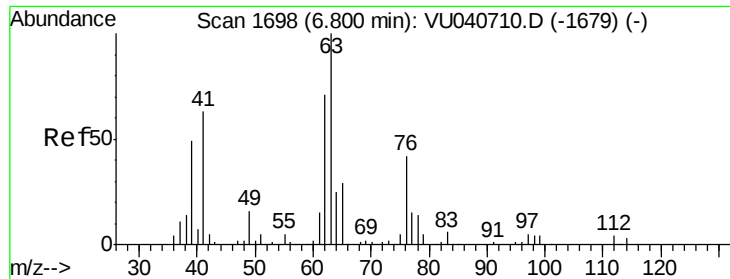


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

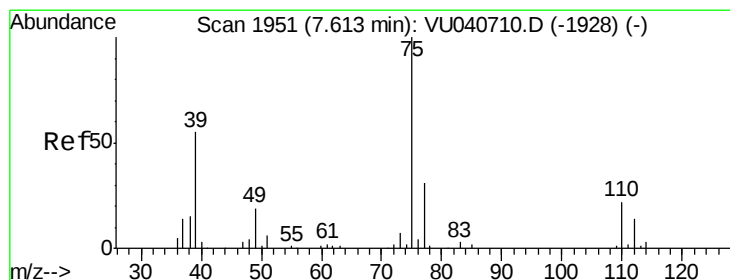
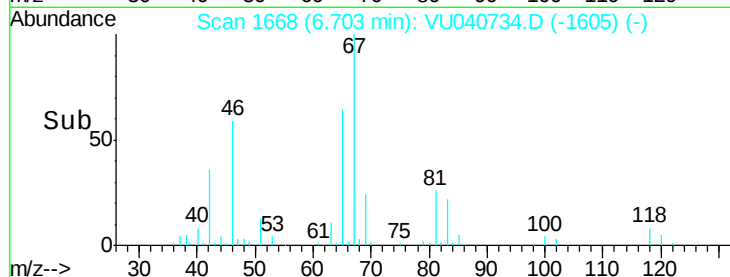
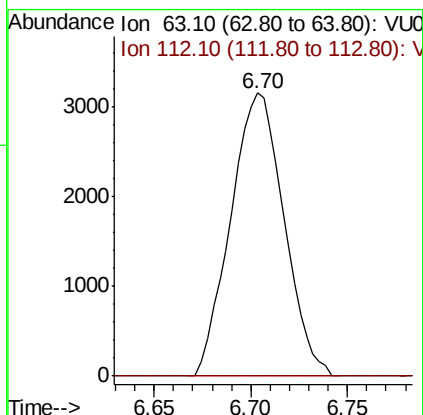
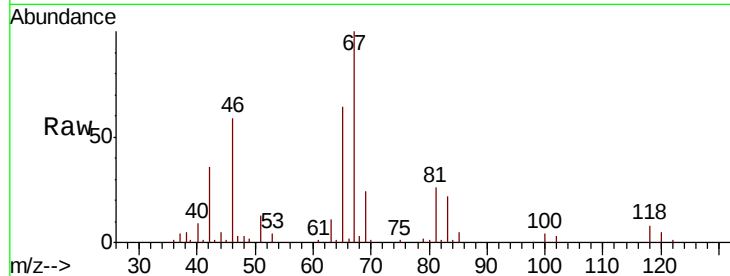




#37
 1,2-Dichloropropane
 Concen: 0.580 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU040734.D
 Acq: 15 Oct 2020 20:33

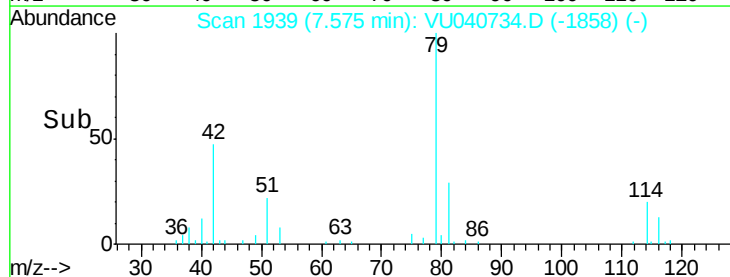
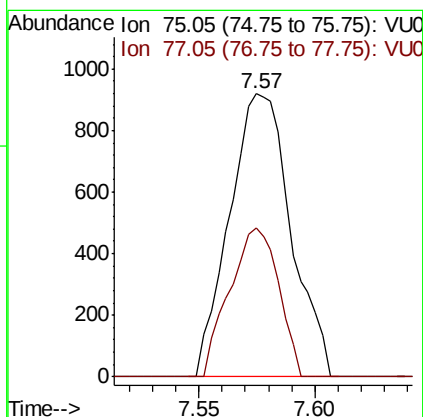
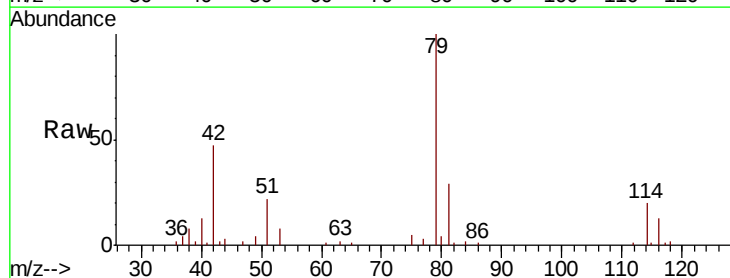
Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ17

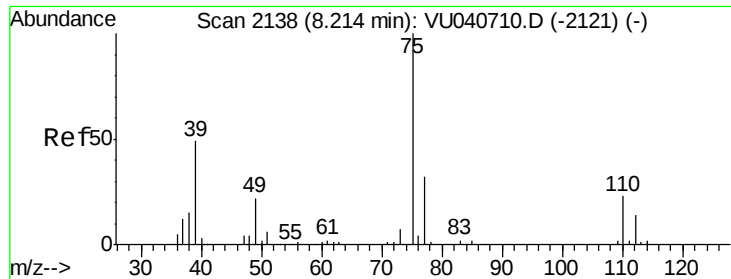
Tot Ion: 63 Resp: 6032
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.119 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040734.D
 Acq: 15 Oct 2020 20:33

Tgt Ion: 75 Resp: 1692
 Ion Ratio Lower Upper
 75 100
 77 52.6 20.5 38.1#





#44

trans-1,3-Dichloropropene

Concen: 0.070 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU040734.D

Acq: 15 Oct 2020 20:33

Instrument :

MSVOA_U

ClientSampleId :

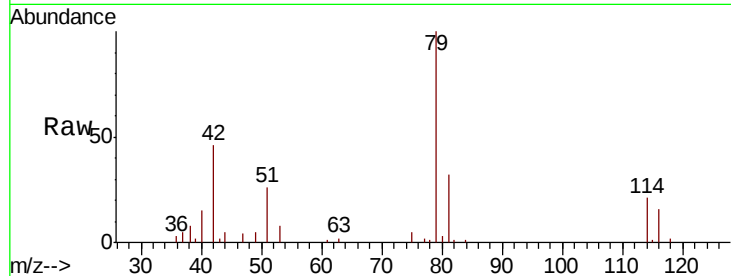
ETZ17

Tot Ion: 75 Resp: 920

Ion Ratio Lower Upper

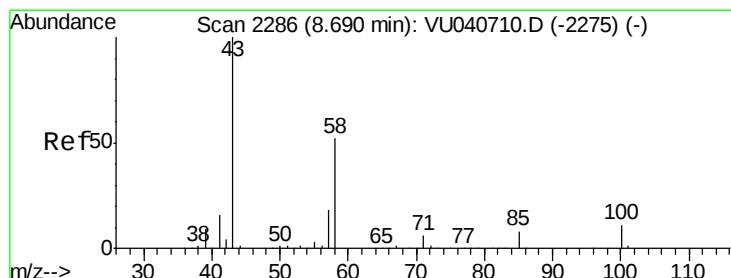
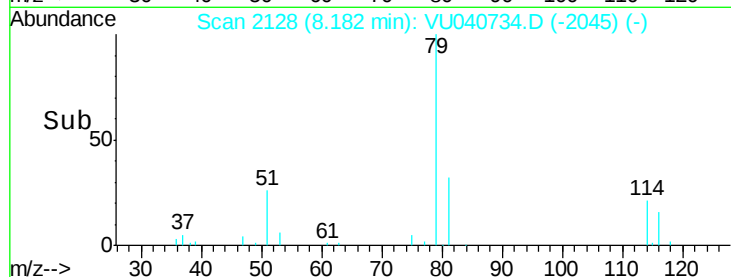
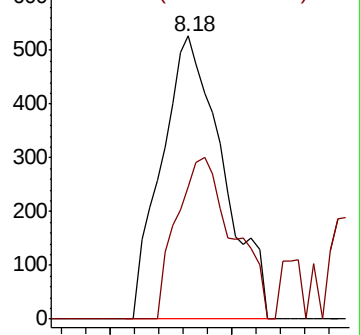
75 100

77 46.9 20.4 38.0#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#48

2-Hexanone

Concen: 2.838 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU040734.D

Acq: 15 Oct 2020 20:33

Tgt Ion: 43 Resp: 17512

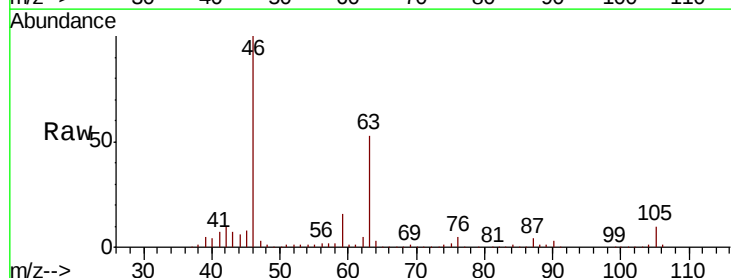
Ion Ratio Lower Upper

43 100

58 29.6 41.0 61.6#

57 34.3 14.4 21.6#

100 1.7 8.6 13.0#

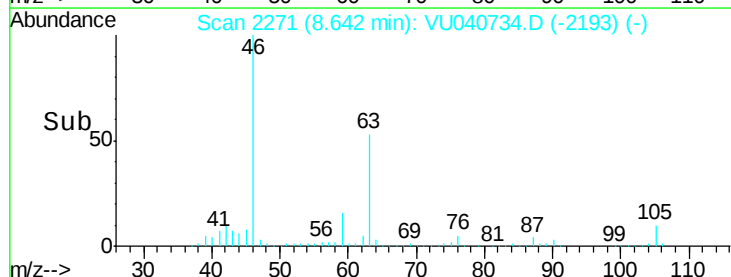
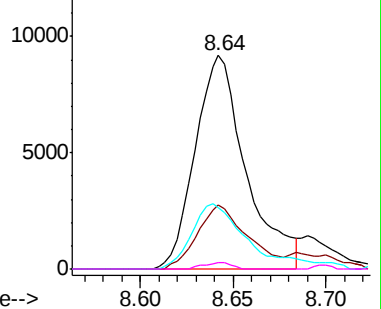


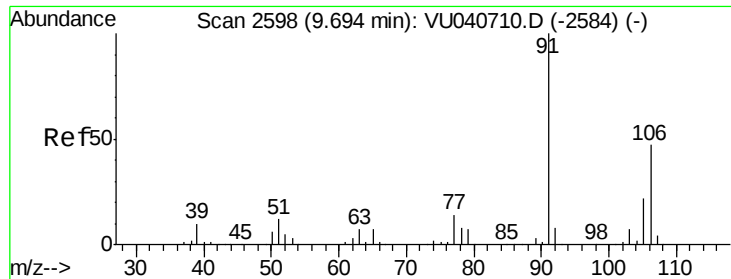
Abundance Ion 43.05 (42.75 to 43.75): VU0

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





#53

m,p-Xylene

Concen: 0.096 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU040734.D

Acq: 15 Oct 2020 20:33

Instrument :

MSVOA_U

ClientSampleId :

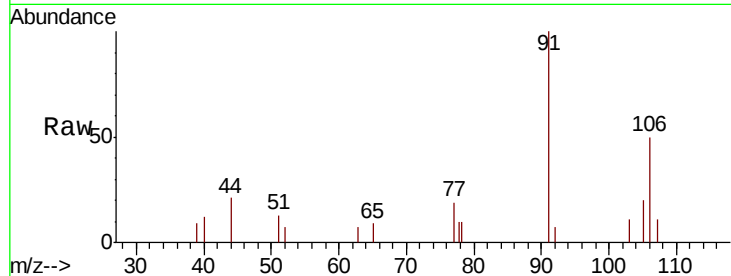
ETZ17

Tot Ion:106 Resp: 1447

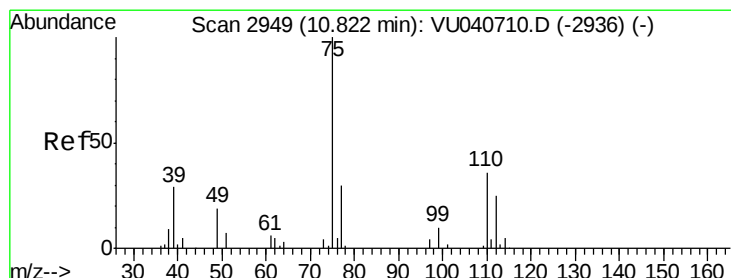
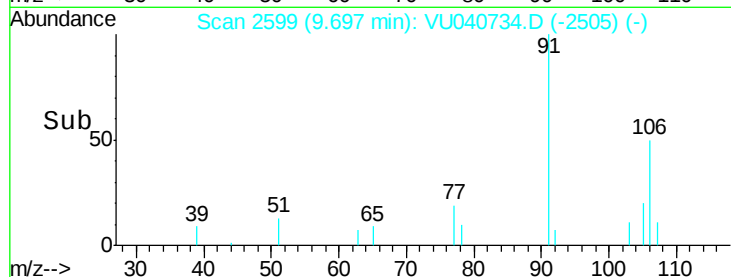
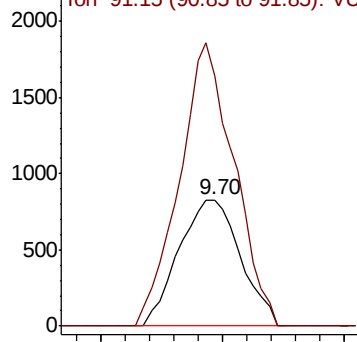
Ion Ratio Lower Upper

106 100

91 198.3 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): VU040734.D (-2505) (-)



#59

1,2,3-Trichloropropane

Concen: 0.860 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040734.D

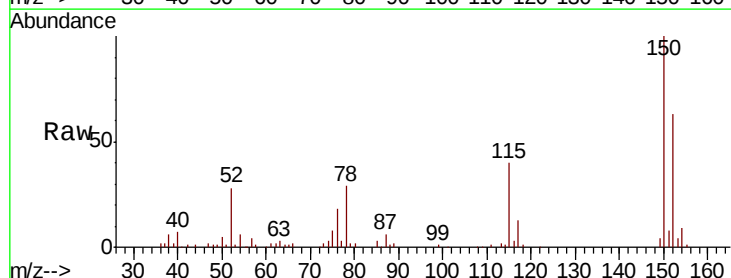
Acq: 15 Oct 2020 20:33

Tgt Ion: 75 Resp: 6568

Ion Ratio Lower Upper

75 100

77 39.2 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU040734.D (-2327) (-)

