

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101920\
 Data File : VU040835.D
 Acq On : 20 Oct 2020 03:42
 Operator : SY/MD
 Sample : L4428-06
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ31

Quant Time: Oct 20 05:22:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 20 05:12:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	110800	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	115043	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	46157	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	26170	2.85	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	57.00%
7) Chloroethane-d5	1.92	69	27850	3.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.60%
11) 1,1-Dichloroethene-d2	2.58	63	44878	2.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	50.00%#
20) 2-Butanone-d5	4.66	46	179211	61.00	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.00%
24) Chloroform-d	5.08	84	80286	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
26) 1,2-Dichloroethane-d4	5.72	65	50755	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.40%
32) Benzene-d6	5.74	84	136041	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
36) 1,2-Dichloropropane-d6	6.70	67	49255	4.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.60%
41) Toluene-d8	7.91	98	97193	3.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.00%
43) trans-1,3-Dichloropropene-	8.19	79	17902	4.10	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.00%
46) 2-Hexanone-d5	8.64	63	116940	52.00	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.00%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	49192	5.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	46412	5.42	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.40%

Target Compounds

				Ovalue
3) Chloromethane	1.49	50	16886	1.799 ug/L # 59
5) Vinyl chloride	1.61	62	44747	4.526 ug/L # 20
8) Chloroethane	1.94	64	2697	0.428 ug/L # 50
14) Carbon disulfide	2.81	76	1054	0.048 ug/L # 76
15) Methyl Acetate	3.06	43	1093	0.210 ug/L # 56
18) trans-1,2-Dichloroethene	3.38	96	2034	0.246 ug/L 87
22) cis-1,2-Dichloroethene	4.69	96	26947	3.019 ug/L 90
27) 1,2-Dichloroethane	5.75	62	865	0.070 ug/L # 77
30) Cyclohexane	5.40	56	8328	0.585 ug/L 97
33) Benzene	5.79	78	1374	0.037 ug/L 100
35) Methylcyclohexane	6.77	83	4355	0.321 ug/L 89
37) 1,2-Dichloropropane	6.71	63	5742	0.558 ug/L # 87
39) cis-1,3-Dichloropropene	7.57	75	1190	0.085 ug/L # 46
44) trans-1,3-Dichloropropene	8.18	75	763	0.059 ug/L # 77
48) 2-Hexanone	8.64	43	20016	3.275 ug/L # 69
59) 1,2,3-Trichloropropane	11.81	75	6618	0.875 ug/L 91

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 20 05:12:18 2020
Response via : Initial Calibration

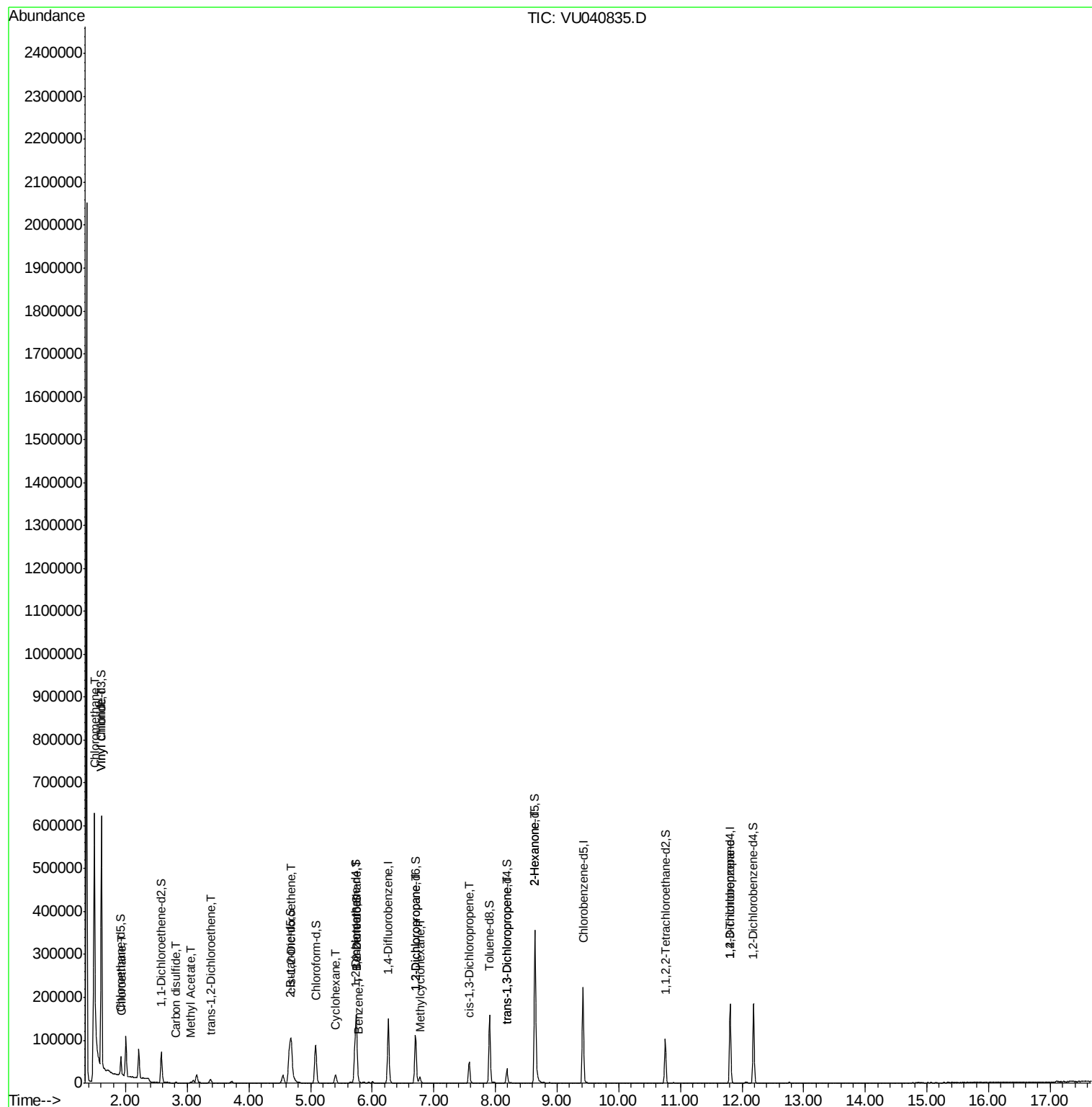
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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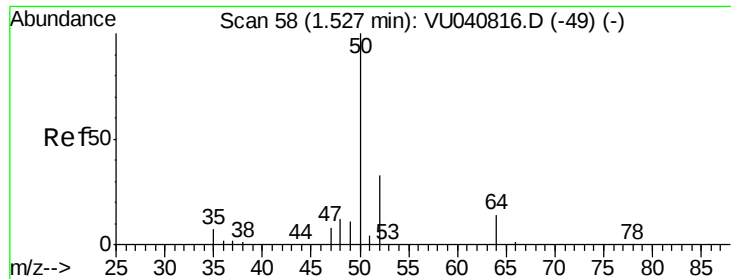
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 1.799 ug/L

RT: 1.49 min Scan# 48

Delta R.T. -0.03 min

Lab File: VU040835.D

Acq: 20 Oct 2020 03:42

Instrument :

MSVOA_U

ClientSampleId :

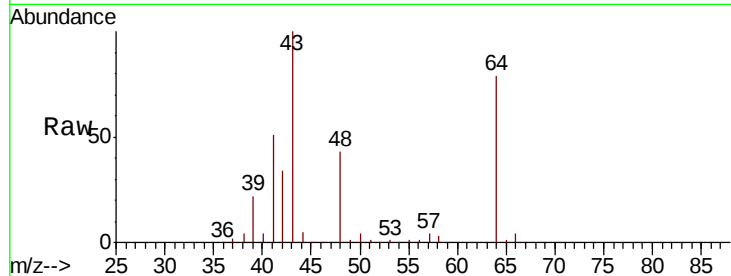
ETZ31

Tot Ion: 50 Resp: 16886

Ion Ratio Lower Upper

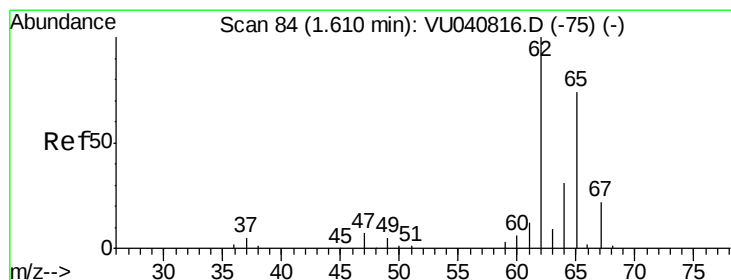
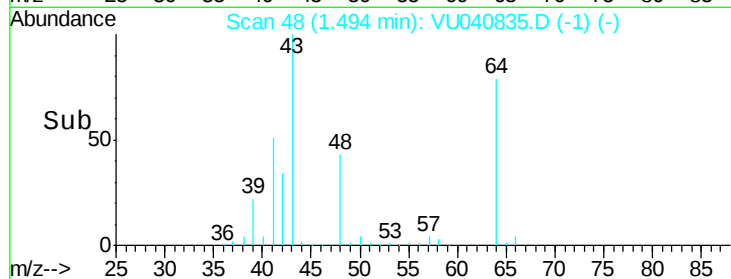
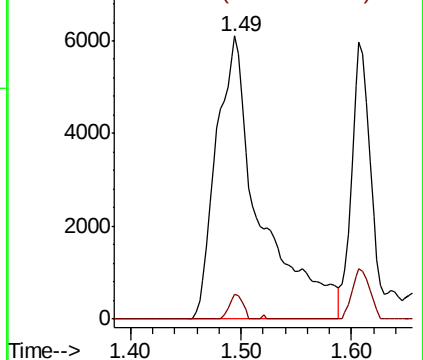
50 100

52 8.9 21.9 40.7#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#5

Vinyl chloride

Concen: 4.526 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040835.D

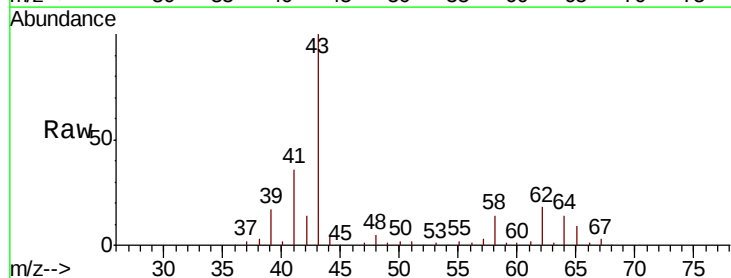
Acq: 20 Oct 2020 03:42

Tgt Ion: 62 Resp: 44747

Ion Ratio Lower Upper

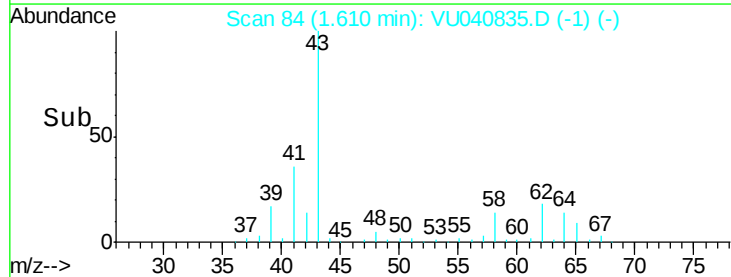
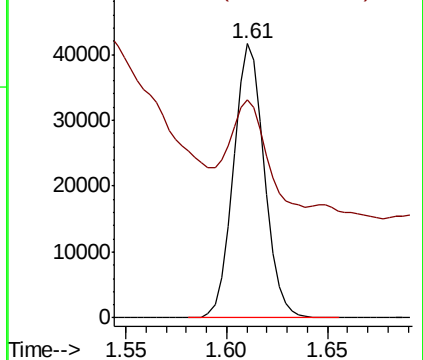
62 100

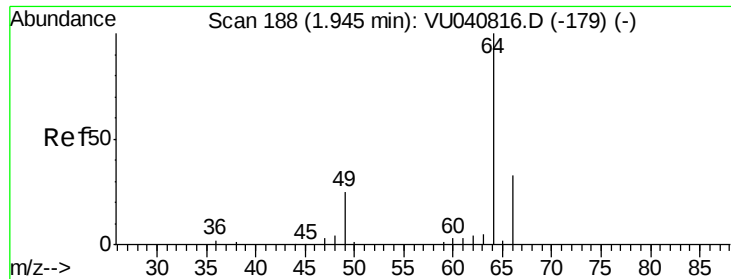
64 79.8 23.7 44.1#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

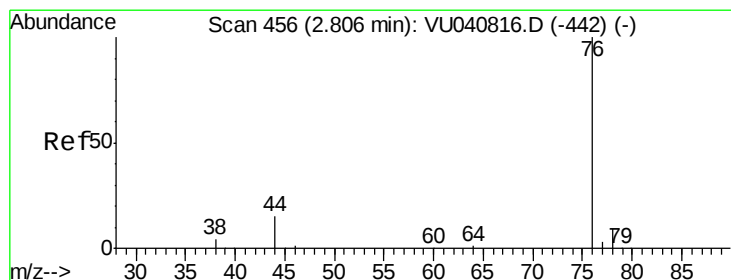
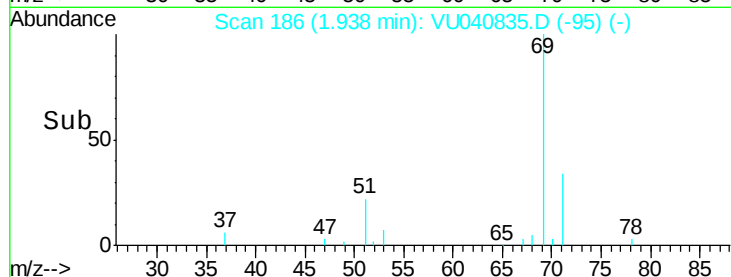
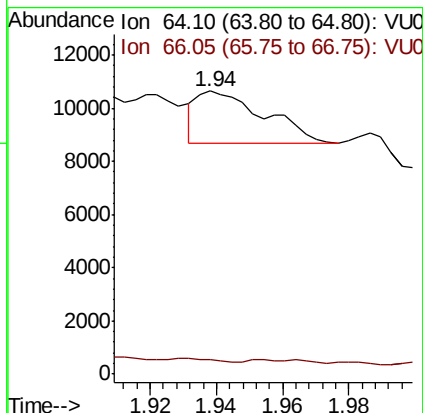
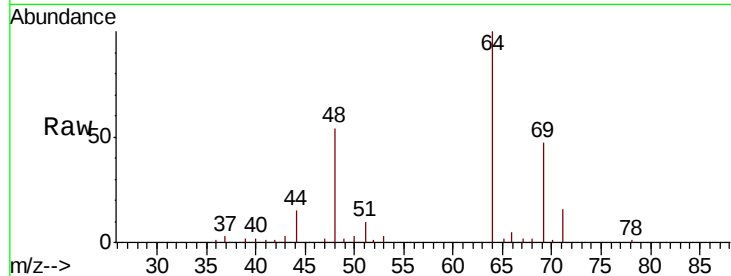




#8
Chloroethane
Concen: 0.428 ug/L
RT: 1.94 min Scan# 186
Delta R.T. -0.01 min
Lab File: VU040835.D
Acq: 20 Oct 2020 03:42

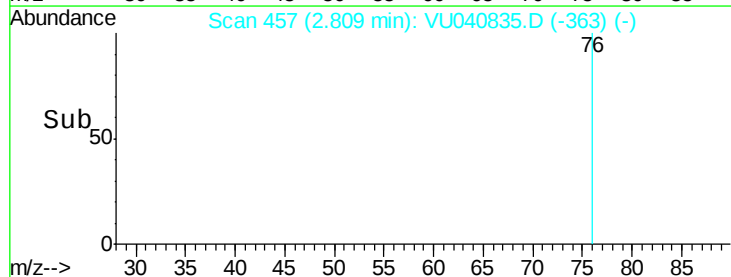
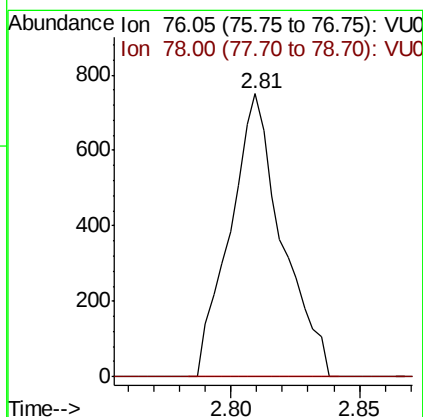
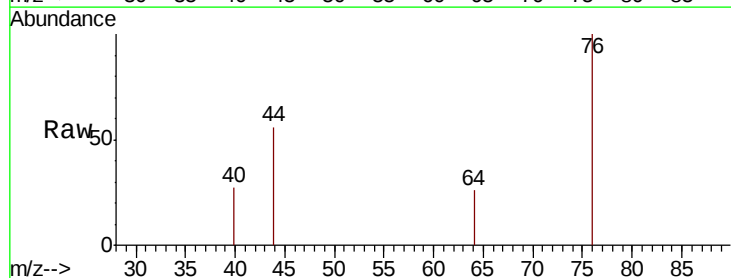
Instrument :
MSVOA_U
ClientSampleId :
ETZ31

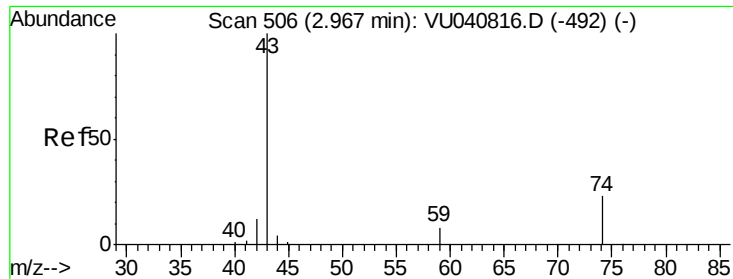
Tot Ion: 64 Resp: 2697
Ion Ratio Lower Upper
64 100
66 5.0 23.3 43.3#



#14
Carbon disulfide
Concen: 0.048 ug/L
RT: 2.81 min Scan# 457
Delta R.T. 0.00 min
Lab File: VU040835.D
Acq: 20 Oct 2020 03:42

Tgt Ion: 76 Resp: 1054
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#

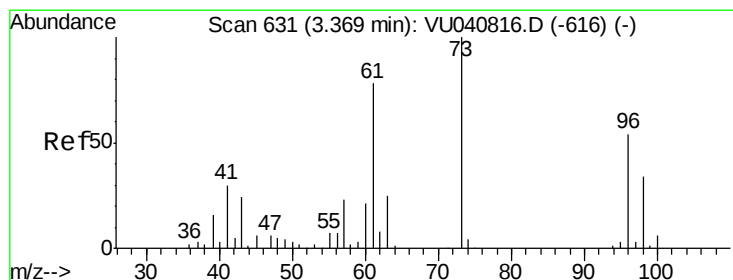
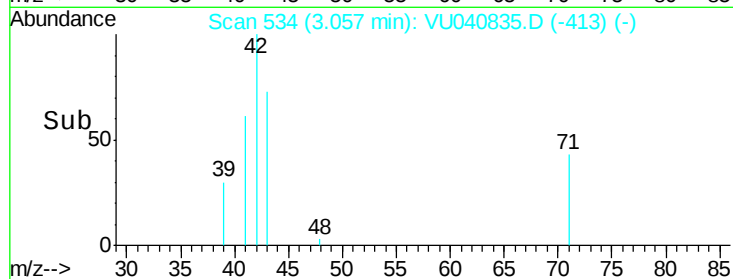
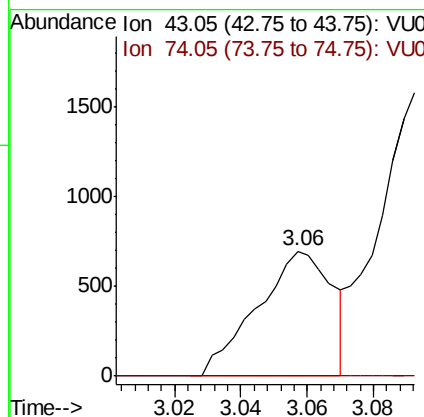
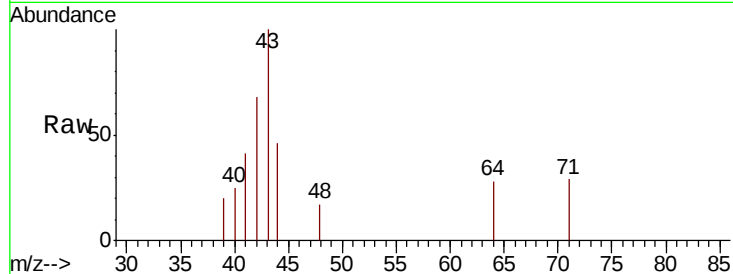




#15
Methvl Acetate
Concen: 0.210 ug/L
RT: 3.06 min Scan# 534
Delta R.T. 0.09 min
Lab File: VU040835.D
Acq: 20 Oct 2020 03:42

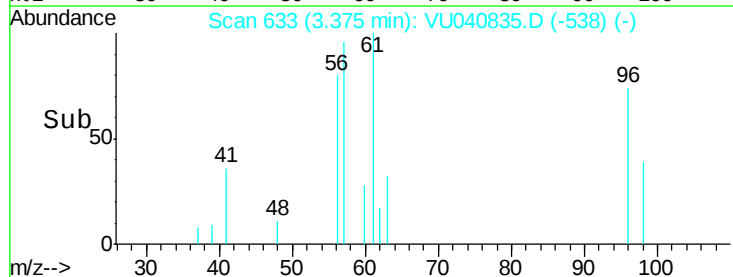
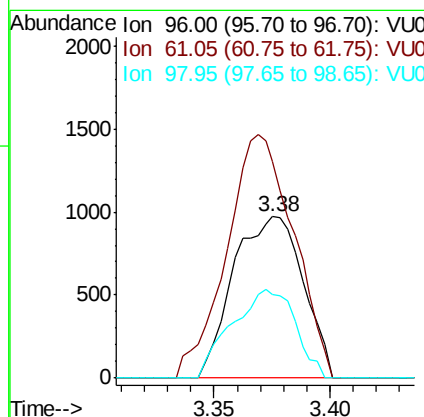
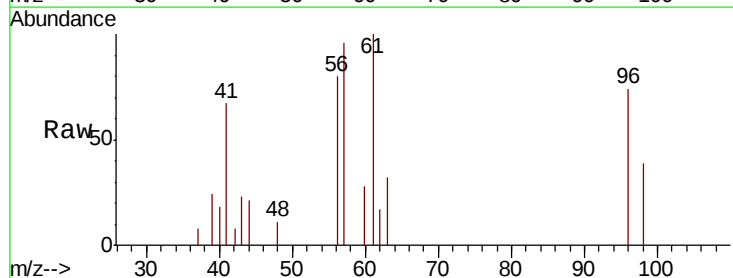
Instrument :
MSVOA_U
ClientSampled :
ETZ31

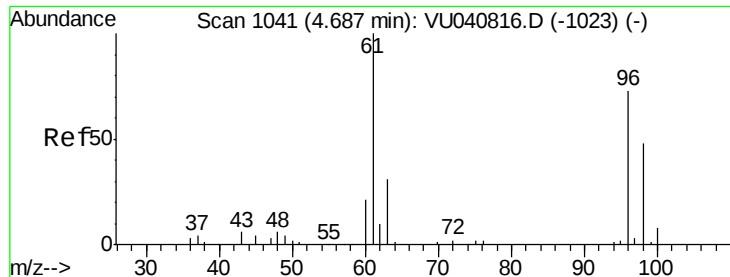
Tot Ion: 43 Resp: 1093
Ion Ratio Lower Upper
43 100
74 0.0 16.5 24.7#



#18
trans-1,2-Dichloroethene
Concen: 0.246 ug/L
RT: 3.38 min Scan# 633
Delta R.T. 0.01 min
Lab File: VU040835.D
Acq: 20 Oct 2020 03:42

Tgt Ion: 96 Resp: 2034
Ion Ratio Lower Upper
96 100
61 134.8 105.9 196.7
98 52.3 43.8 81.3





#22

cis-1,2-Dichloroethene

Concen: 3.019 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VU040835.D

Acq: 20 Oct 2020 03:42

Instrument :

MSVOA_U

ClientSampleId :

ETZ31

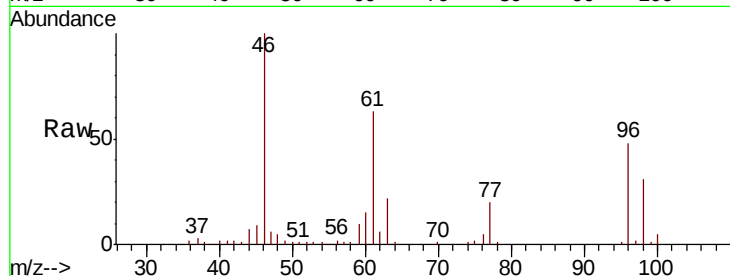
Tot Ion: 96 Resp: 26947

Ion Ratio Lower Upper

96 100

61 130.0 99.8 185.4

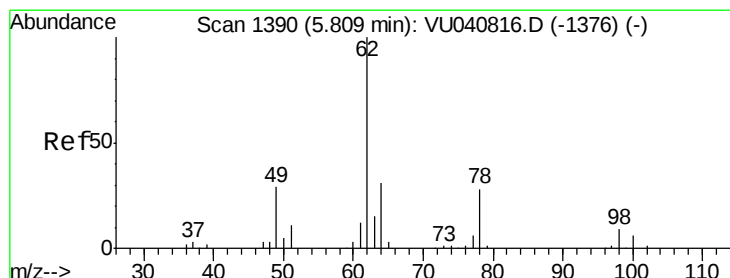
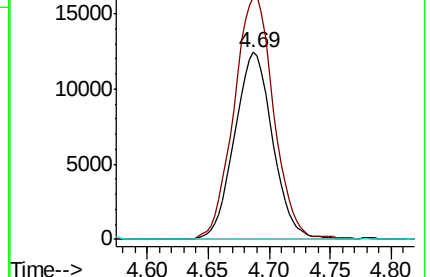
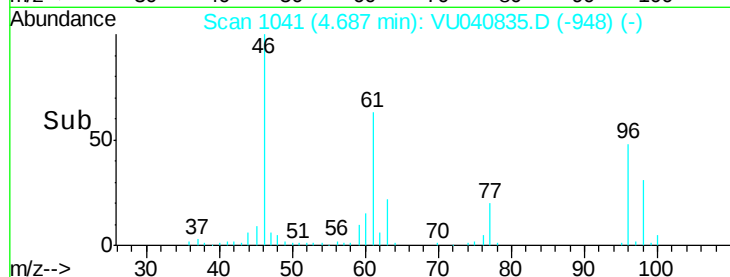
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040835.D (-948) (-)

Ion 61.05 (60.75 to 61.75): VU040835.D (-948) (-)

Ion 68.15 (67.85 to 68.85): VU040835.D (-948) (-)



#27

1,2-Dichloroethane

Concen: 0.070 ug/L

RT: 5.75 min Scan# 1370

Delta R.T. -0.06 min

Lab File: VU040835.D

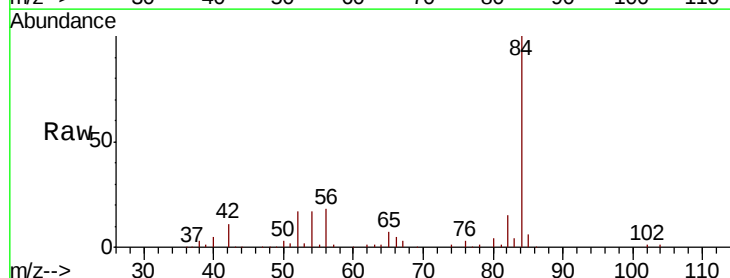
Acq: 20 Oct 2020 03:42

Tgt Ion: 62 Resp: 865

Ion Ratio Lower Upper

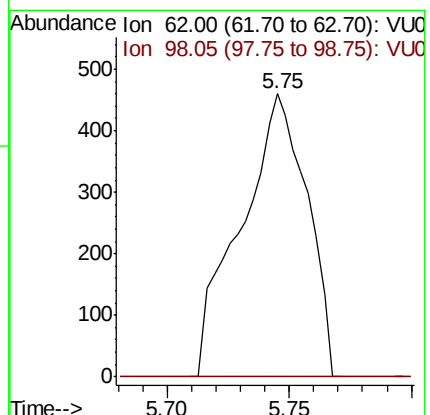
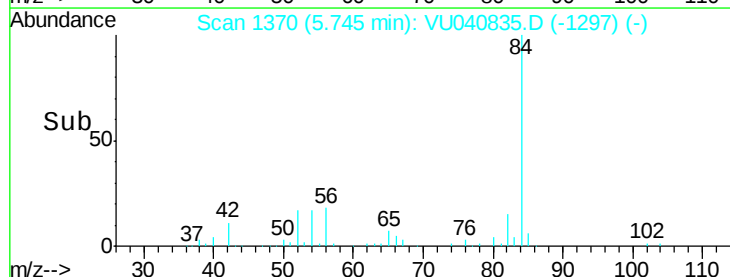
62 100

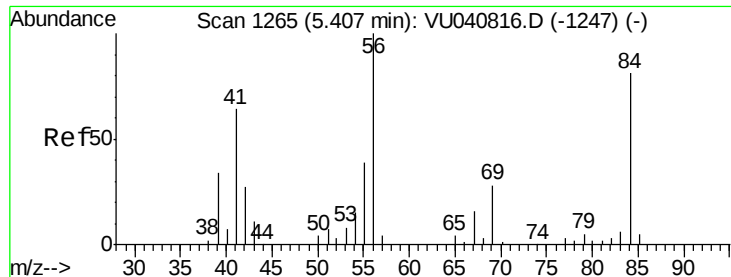
98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VU040835.D (-1297) (-)

Ion 98.05 (97.75 to 98.75): VU040835.D (-1297) (-)

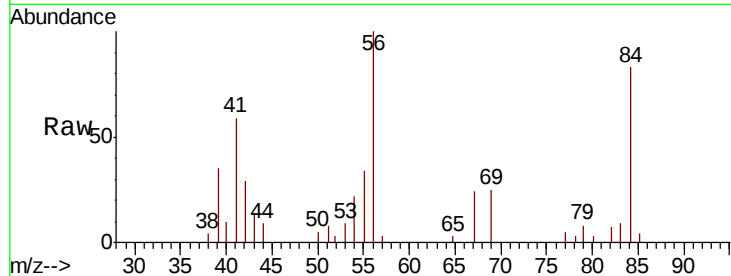




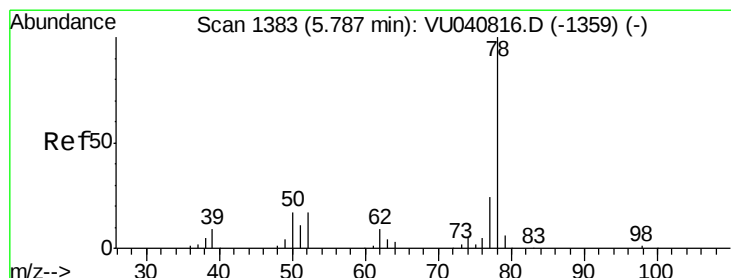
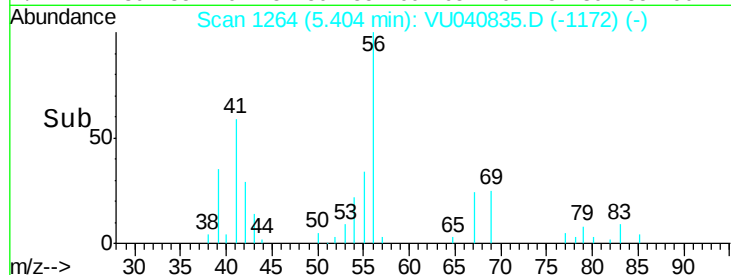
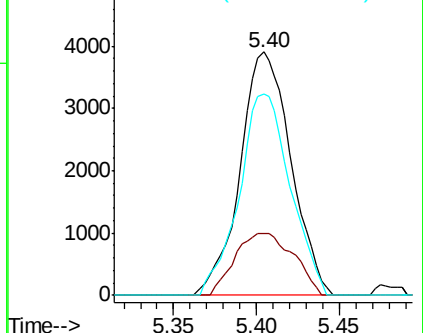
#30
Cyclohexane
Concen: 0.585 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VU040835.D
Acq: 20 Oct 2020 03:42

Instrument :
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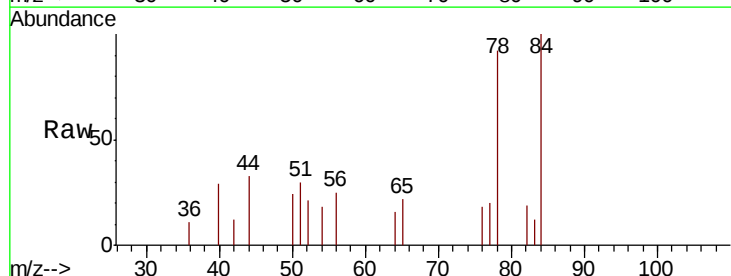
Tot Ion: 56 Resp: 8328
Ion Ratio Lower Upper
56 100
69 29.3 23.8 35.8
84 83.2 64.0 96.0



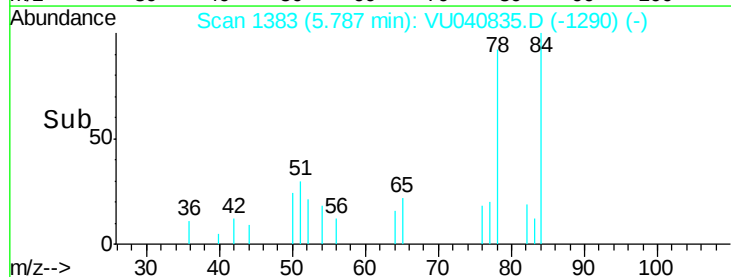
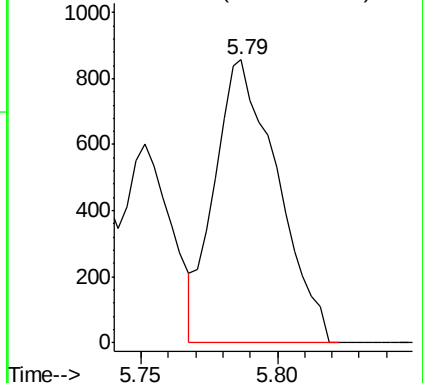
Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0

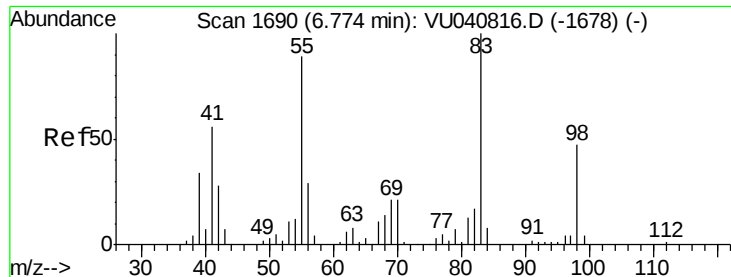


#33
Benzene
Concen: 0.037 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VU040835.D
Acq: 20 Oct 2020 03:42
Tgt Ion: 78 Resp: 1374



Abundance Ion 78.10 (77.80 to 78.80): VU0

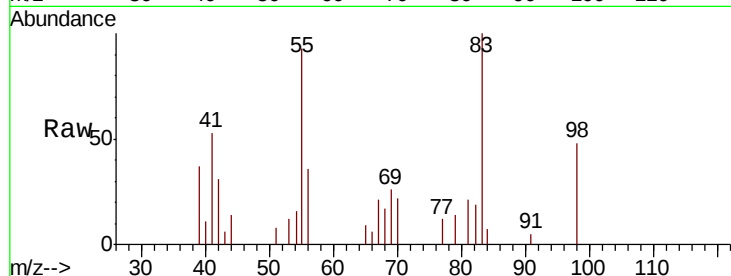




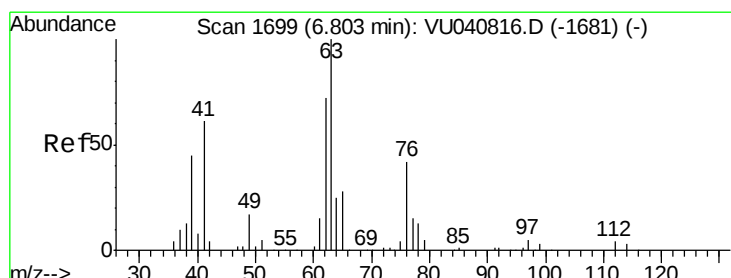
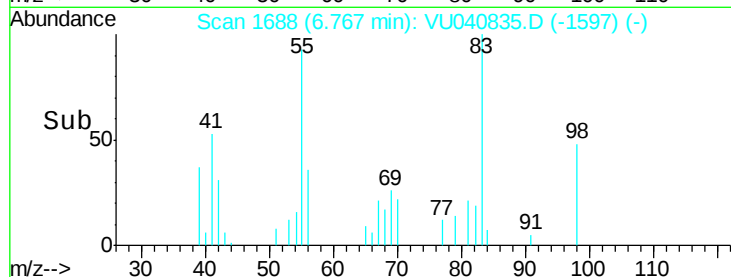
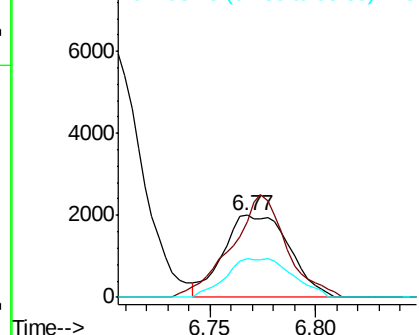
#35
Methvlcvclohexane
Concen: 0.321 ug/L
RT: 6.77 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VU040835.D
Acq: 20 Oct 2020 03:42

Instrument :
MSVOA_U
ClientSampleId :
ETZ31

Tot Ion: 83 Resp: 4355
Ion Ratio Lower Upper
83 100
55 104.2 70.7 106.1
98 47.1 38.4 57.6

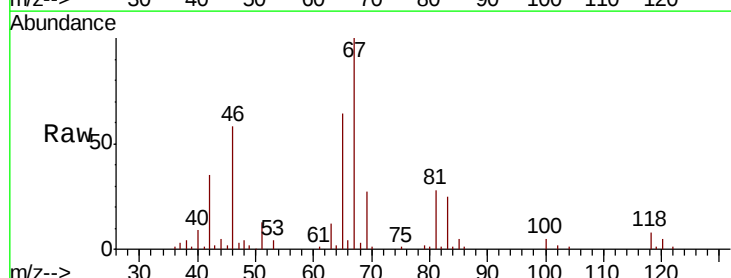


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

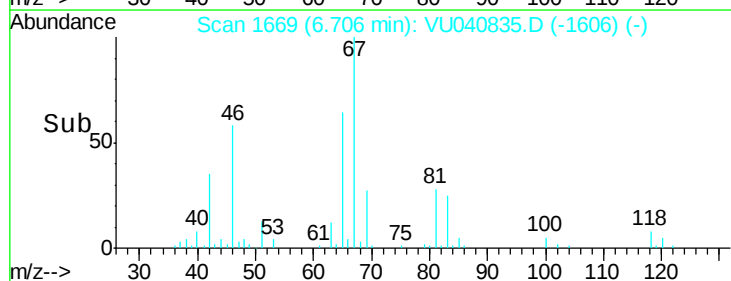
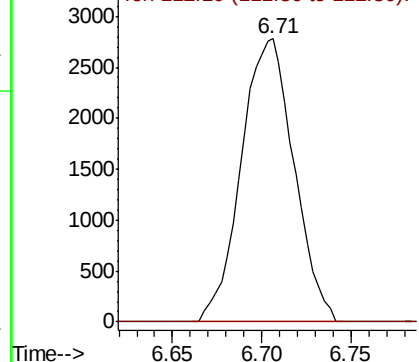


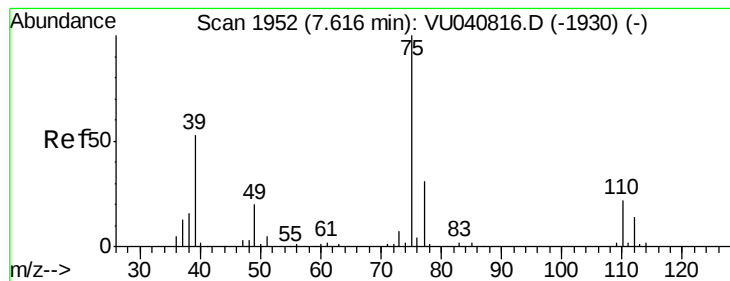
#37
1,2-Dichloropropane
Concen: 0.558 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.10 min
Lab File: VU040835.D
Acq: 20 Oct 2020 03:42

Tgt Ion: 63 Resp: 5742
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



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



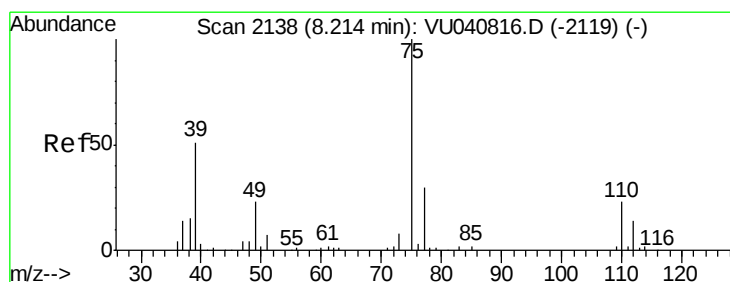
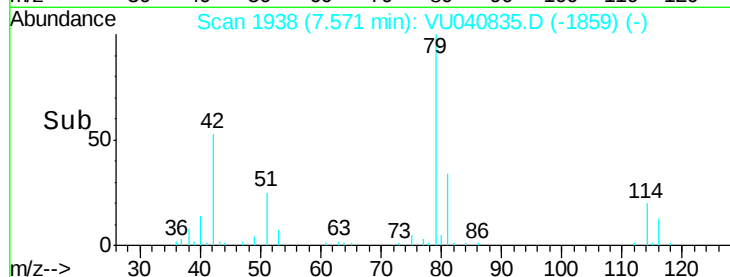
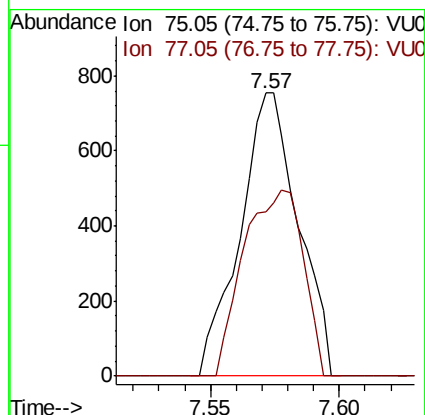
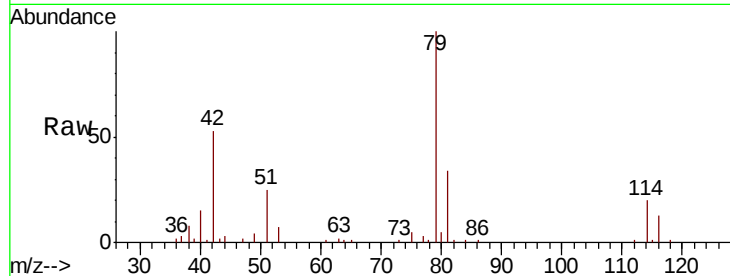


#39

cis-1,3-Dichloropropene
Concen: 0.085 ug/L
RT: 7.57 min Scan# 1938
Delta R.T. -0.05 min
Lab File: VU040835.D
Acq: 20 Oct 2020 03:42

Instrument :
MSVOA_U
ClientSampleId :
ETZ31

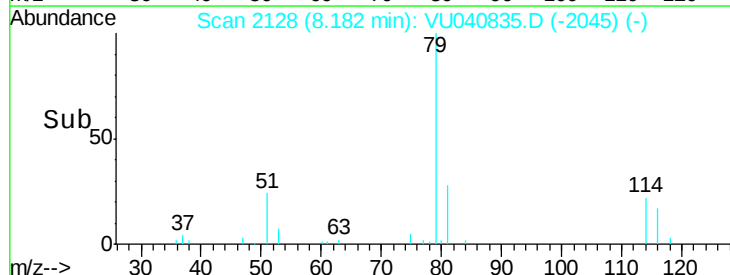
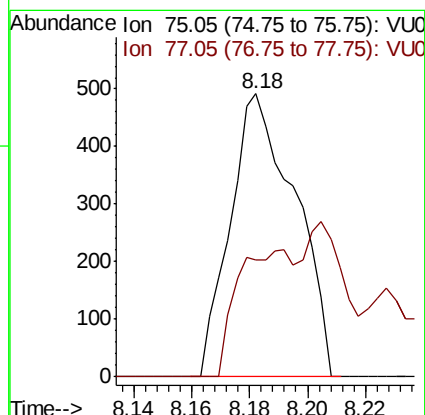
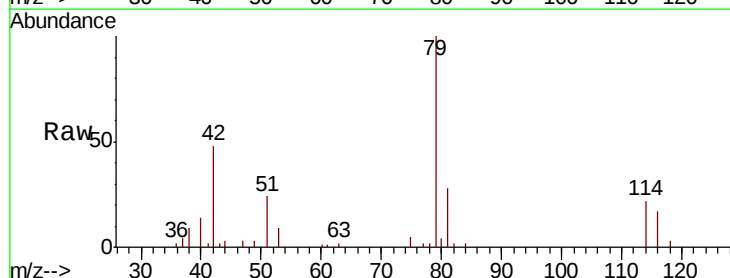
Tot Ion: 75 Resp: 1190
Ion Ratio Lower Upper
75 100
77 58.2 20.5 38.1#

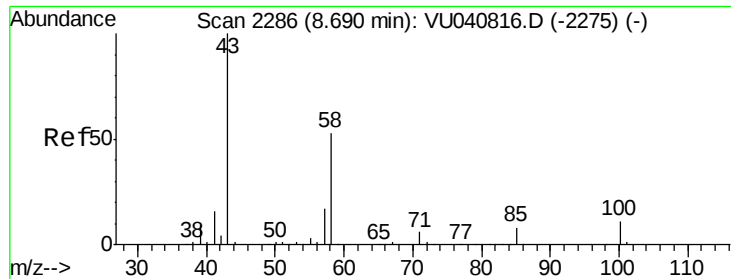


#44

trans-1,3-Dichloropropene
Concen: 0.059 ug/L
RT: 8.18 min Scan# 2128
Delta R.T. -0.03 min
Lab File: VU040835.D
Acq: 20 Oct 2020 03:42

Tgt Ion: 75 Resp: 763
Ion Ratio Lower Upper
75 100
77 41.3 20.4 38.0#

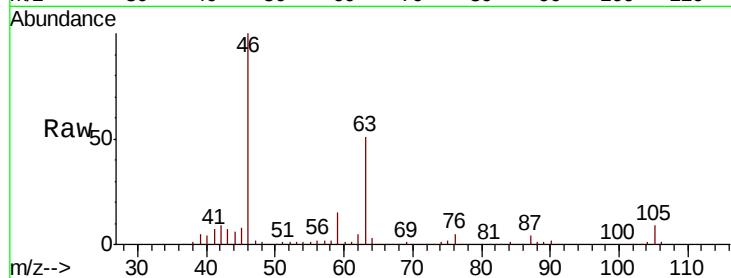




#48
2-Hexanone
Concen: 3.275 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU040835.D
Acq: 20 Oct 2020 03:42

Instrument :
MSVOA_U
ClientSampleId :
ETZ31

Tot Ion	Ratio	Lower	Upper
43	100		
58	29.0	41.0	61.6#
57	32.5	14.4	21.6#
100	1.6	8.6	13.0#

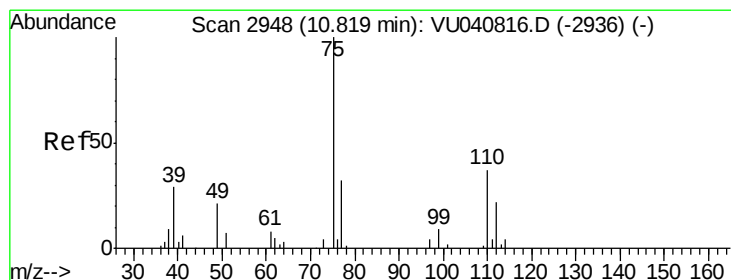
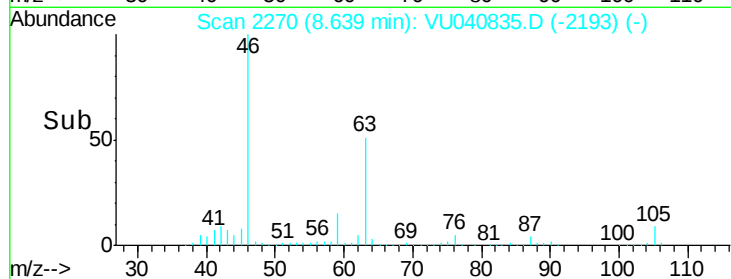
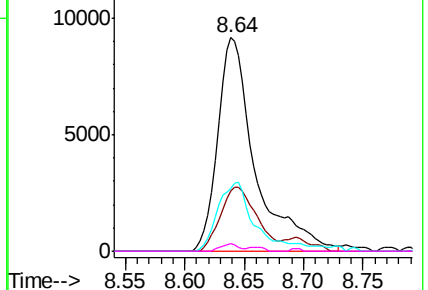


Abundance Ion 43.05 (42.75 to 43.75): VU040835.D (-2193) (-)

Ion 58.05 (57.75 to 58.75): VU040835.D (-2193) (-)

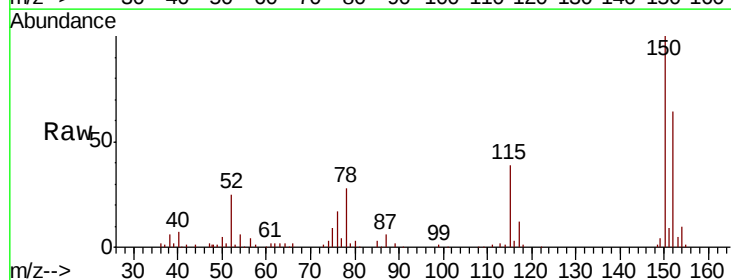
Ion 57.20 (56.90 to 57.90): VU040835.D (-2193) (-)

Ion 100.15 (99.85 to 100.85): VU040835.D (-2193) (-)



#59
1,2,3-Trichloropropane
Concen: 0.875 ug/L
RT: 11.81 min Scan# 3256
Delta R.T. 0.99 min
Lab File: VU040835.D
Acq: 20 Oct 2020 03:42

Tgt Ion	Ratio	Lower	Upper
75	100		
77	38.3	26.4	39.6



Abundance Ion 75.00 (74.70 to 75.70): VU040835.D (-2326) (-)

Ion 77.00 (76.70 to 77.70): VU040835.D (-2326) (-)

