

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081020\
 Data File : VU039832.D
 Acq On : 10 Aug 2020 18:35
 Operator : SY/MD
 Sample : L3578-02DL 100X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 11 05:00:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR080320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Aug 11 04:57:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	76494	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	77619	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	38155	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	21552	5.22	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.40%
7) Chloroethane-d5	1.92	69	19942	4.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.20%
11) 1,1-Dichloroethene-d2	2.58	63	31560	3.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.80%
20) 2-Butanone-d5	4.66	46	83917	46.19	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.38%
24) Chloroform-d	5.08	84	42039	4.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.40%
26) 1,2-Dichloroethane-d4	5.72	65	27202	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
32) Benzene-d6	5.75	84	80752	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
36) 1,2-Dichloropropane-d6	6.70	67	26741	4.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.60%
41) Toluene-d8	7.91	98	67920	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.80%
43) trans-1,3-Dichloropropene-	8.19	79	9520	3.93	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.60%
46) 2-Hexanone-d5	8.64	63	56880	43.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.70%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	23737	3.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	77.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	29758	4.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.20%

Target Compounds

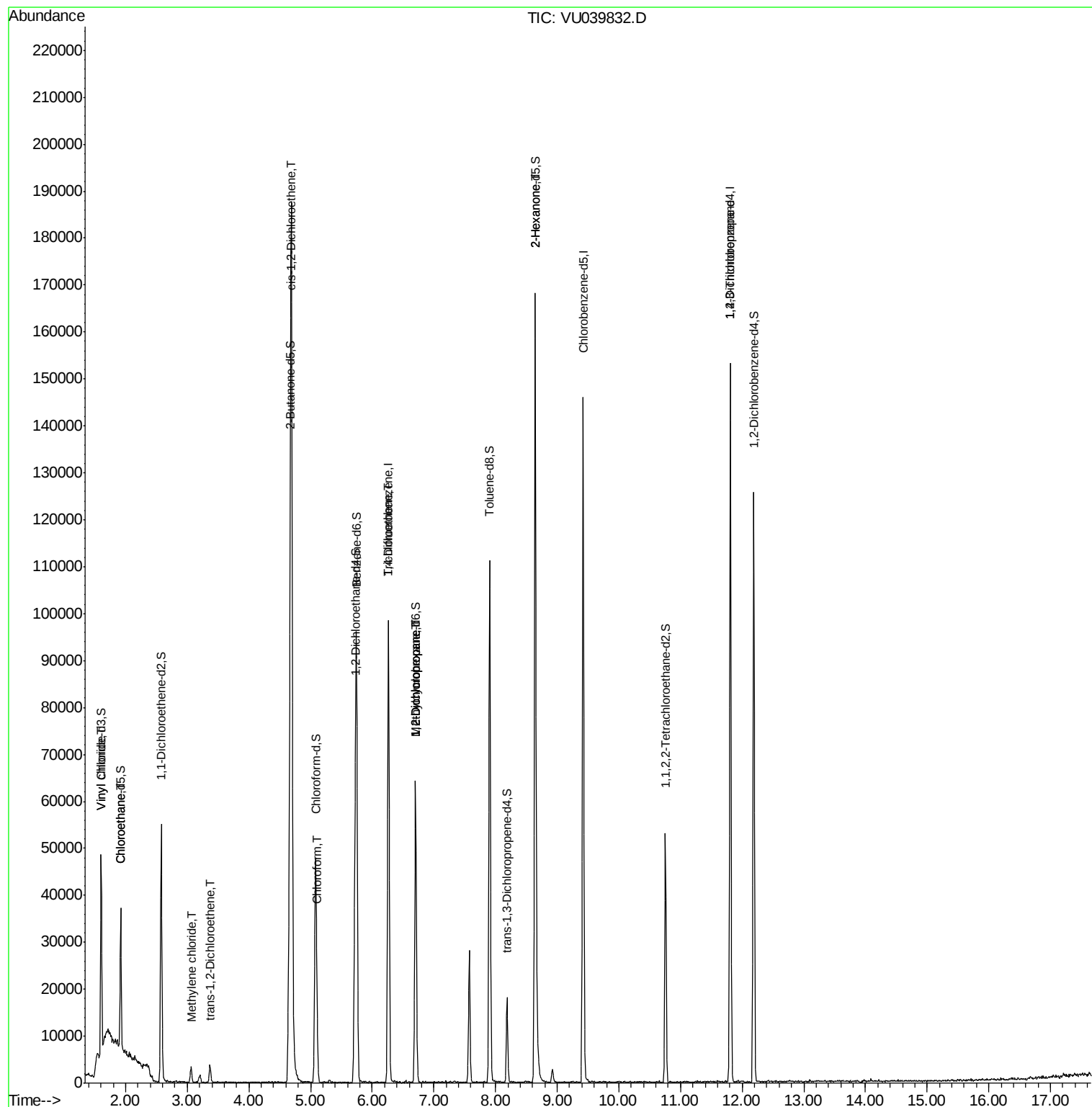
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	8470	1.362	ug/L #	35
8) Chloroethane	1.91	64	741	0.162	ug/L #	43
16) Methylene chloride	3.06	84	1430	0.194	ug/L #	68
18) trans-1,2-Dichloroethene	3.37	96	1380	0.272	ug/L	97
22) cis-1,2-Dichloroethene	4.69	96	82451	14.922	ug/L	97
25) Chloroform	5.11	83	3410	0.338	ug/L	90
34) Trichloroethene	6.27	95	1536	0.280	ug/L #	4
35) Methylcyclohexane	6.70	83	6449	0.736	ug/L #	19
37) 1,2-Dichloropropane	6.71	63	3162	0.563	ug/L #	86
48) 2-Hexanone	8.64	43	7373	2.432	ug/L #	72
59) 1,2,3-Trichloropropane	11.81	75	4780	1.180	ug/L #	81

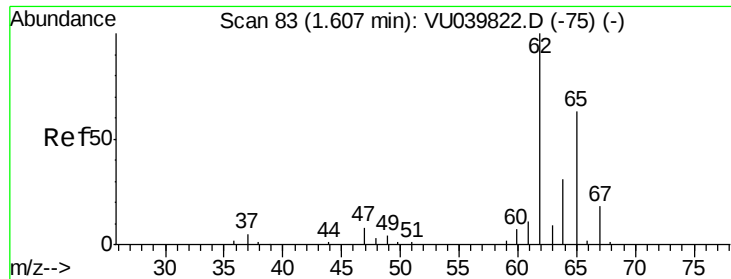
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.362 ug/L

RT: 1.61 min Scan# 83

Delta R.T. 0.00 min

Lab File: VU039832.D

Acq: 10 Aug 2020 18:35

Instrument :

MSVOA_U

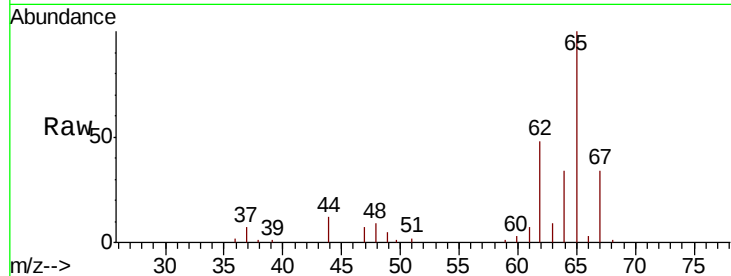
ClientSampled :

Tot Ion: 62 Resp: 8470

Ion Ratio Lower Upper

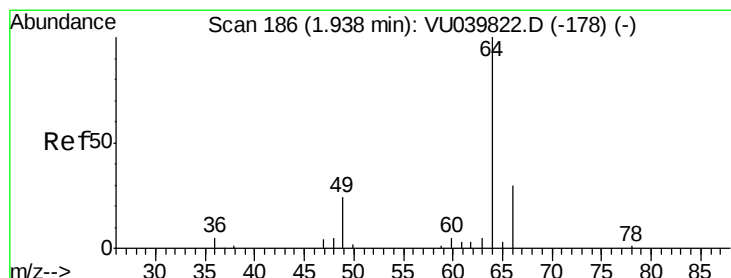
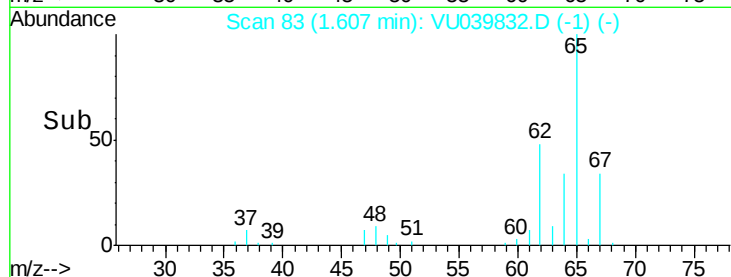
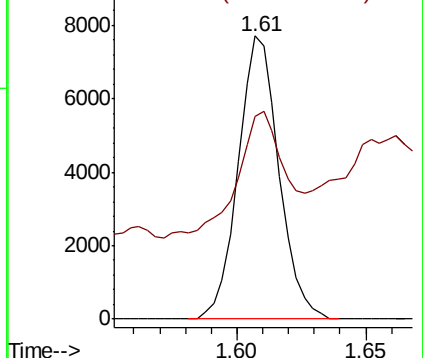
62 100

64 71.8 24.1 44.7#



Abundance Ion 62.00 (61.70 to 62.70): VU039822.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU039822.D (-75) (-)



#8

Chloroethane

Concen: 0.162 ug/L

RT: 1.91 min Scan# 178

Delta R.T. -0.03 min

Lab File: VU039832.D

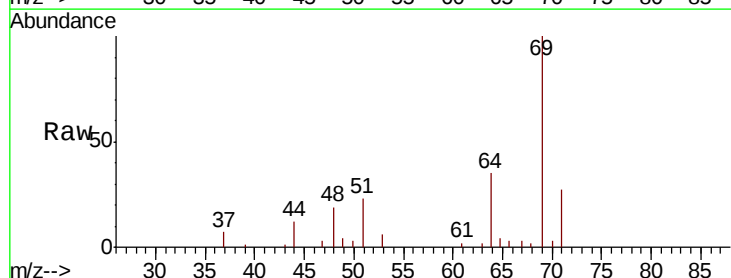
Acq: 10 Aug 2020 18:35

Tgt Ion: 64 Resp: 741

Ion Ratio Lower Upper

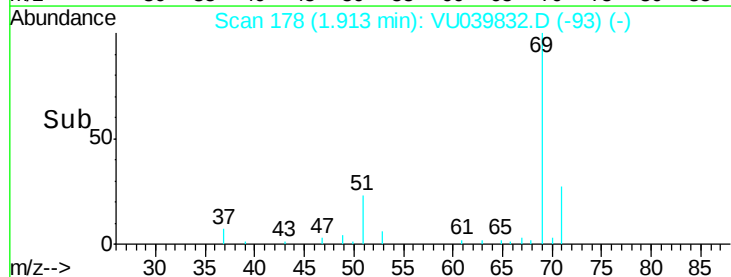
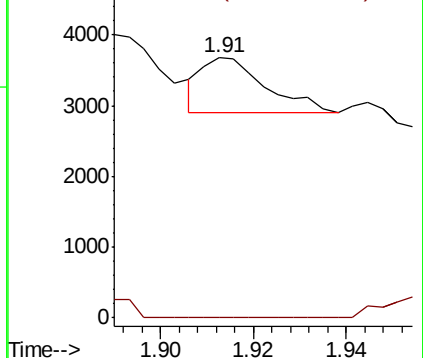
64 100

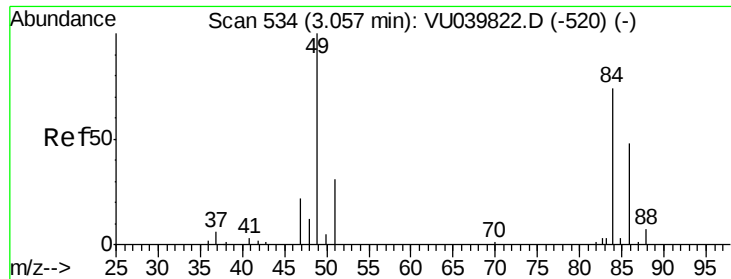
66 0.0 22.3 41.3#



Abundance Ion 64.10 (63.80 to 64.80): VU039822.D (-178) (-)

Ion 66.05 (65.75 to 66.75): VU039822.D (-178) (-)

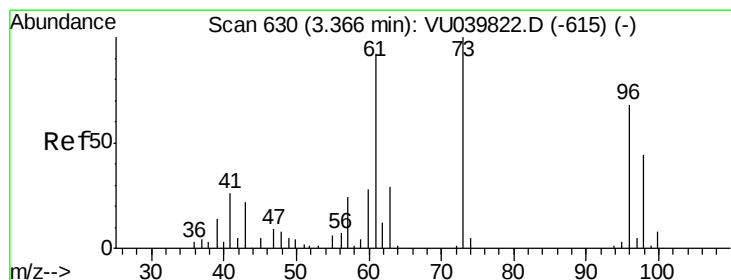
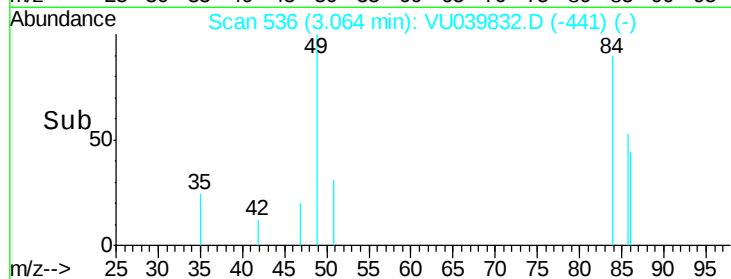
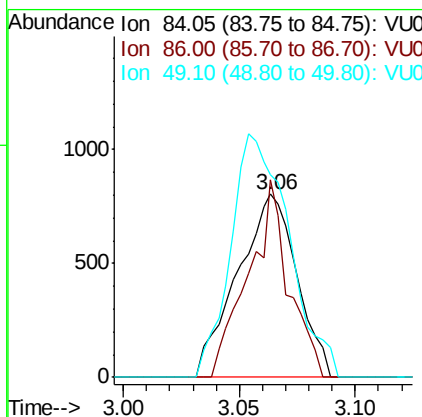
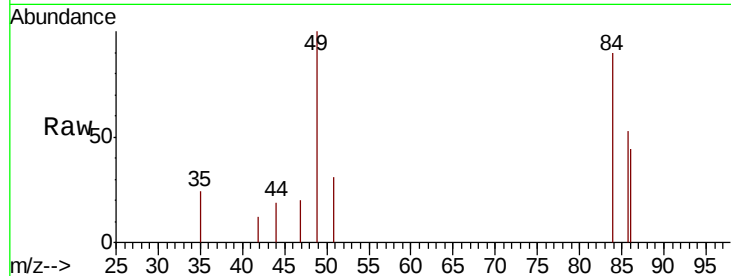




#16
Methvlene chloride
Concen: 0.194 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.01 min
Lab File: VU039832.D
Acq: 10 Aug 2020 18:35

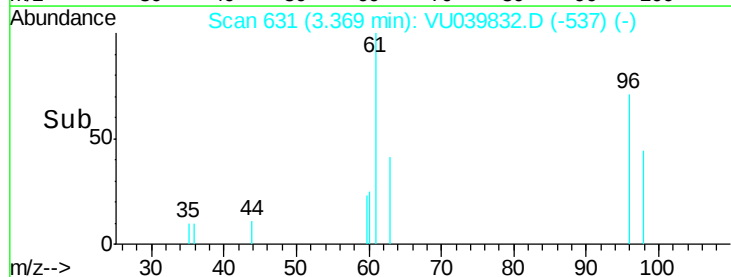
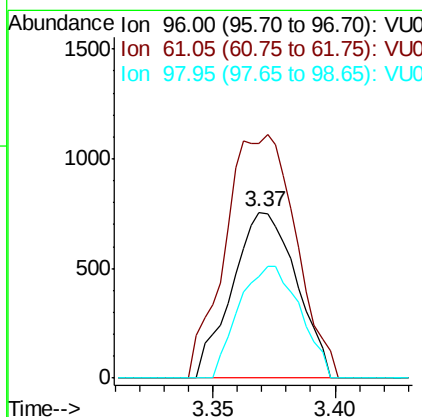
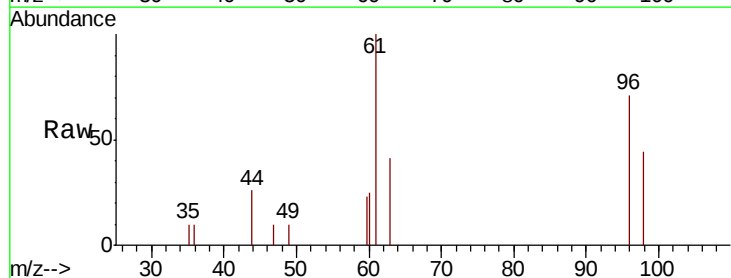
Instrument :
MSVOA_U
ClientSampled :

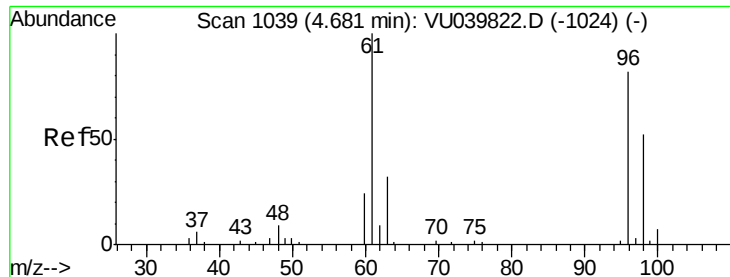
Tot Ion: 84 Resp: 1430
Ion Ratio Lower Upper
84 100
86 107.7 43.9 81.5#
49 111.1 94.4 175.4



#18
trans-1,2-Dichloroethene
Concen: 0.272 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU039832.D
Acq: 10 Aug 2020 18:35

Tgt Ion: 96 Resp: 1380
Ion Ratio Lower Upper
96 100
61 141.3 96.5 179.1
98 61.6 40.9 76.0

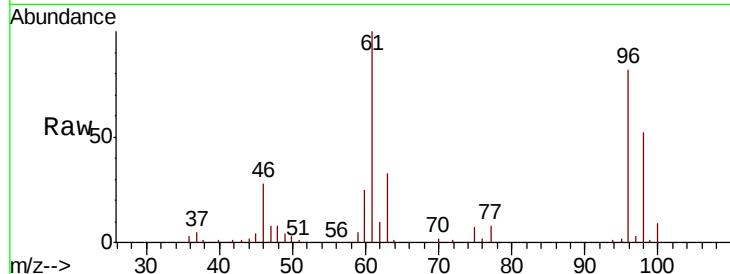




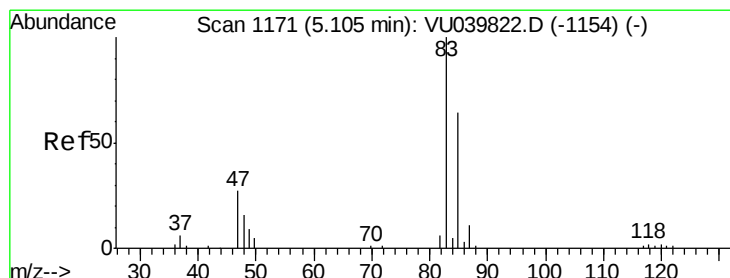
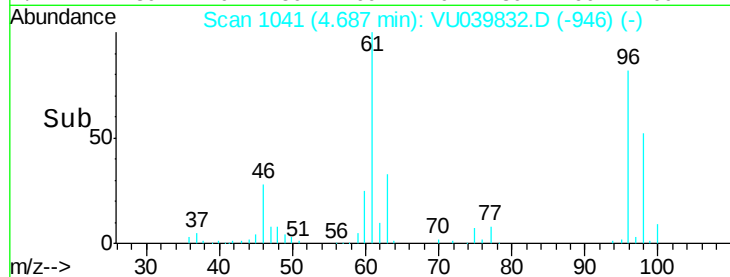
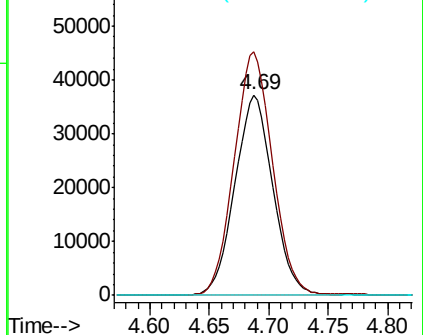
#22
 cis-1,2-Dichloroethene
 Concen: 14.922 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.01 min
 Lab File: VU039832.D
 Acq: 10 Aug 2020 18:35

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 96 Resp: 82451
 Ion Ratio Lower Upper
 96 100
 61 121.3 87.4 162.2
 68 0.0 0.0 0.0

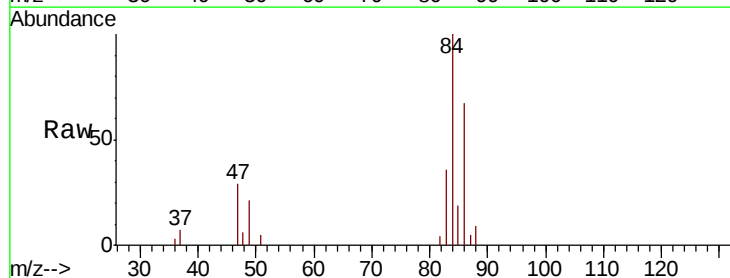


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

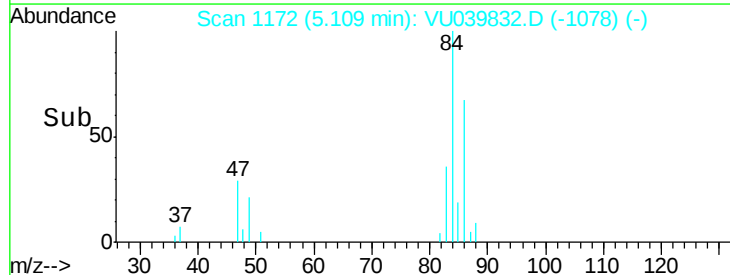
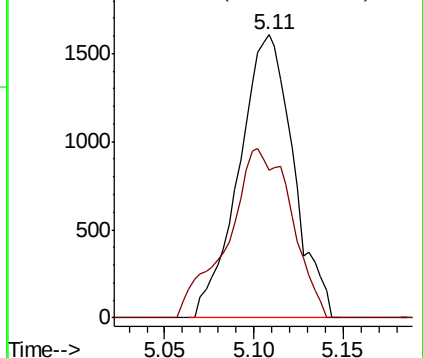


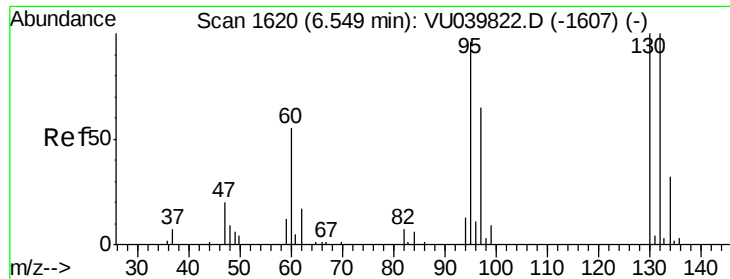
#25
 Chloroform
 Concen: 0.338 ug/L
 RT: 5.11 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU039832.D
 Acq: 10 Aug 2020 18:35

Tgt Ion: 83 Resp: 3410
 Ion Ratio Lower Upper
 83 100
 85 52.3 42.1 78.3



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0

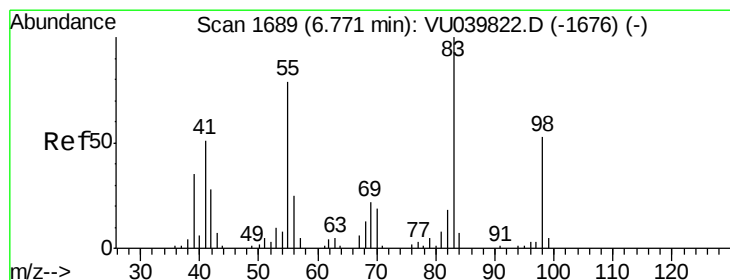
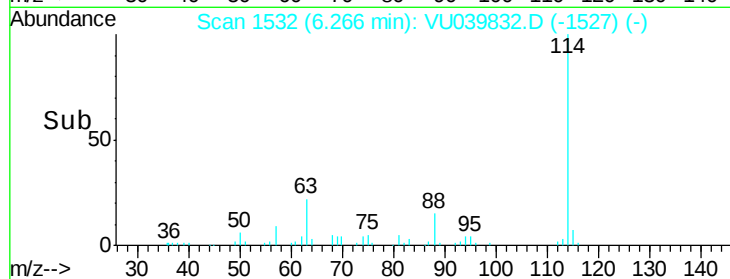
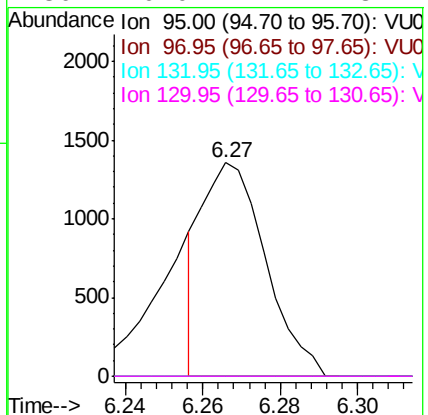
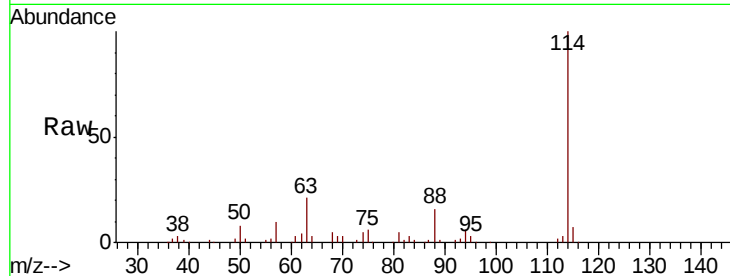




#34
 Trichloroethene
 Concen: 0.280 ug/L
 RT: 6.27 min Scan# 1532
 Delta R.T. -0.28 min
 Lab File: VU039832.D
 Acq: 10 Aug 2020 18:35

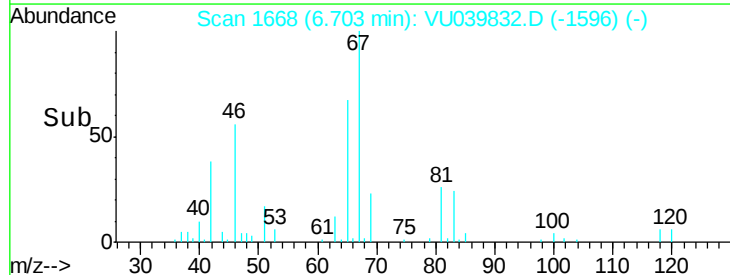
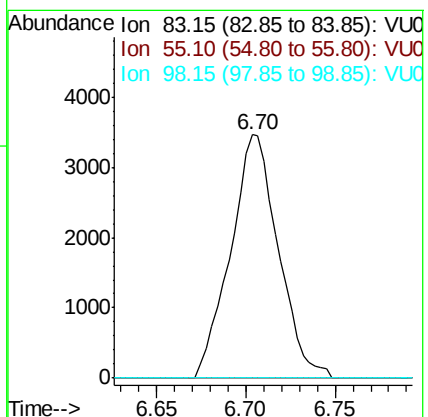
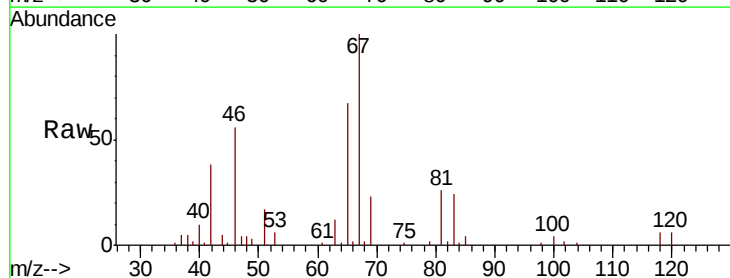
Instrument :
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 ClientSampleId :

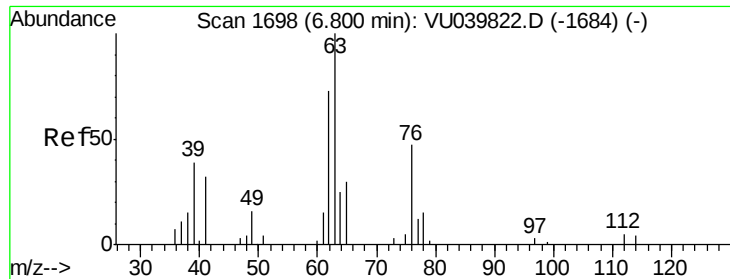
Tot Ion: 95 Resp: 1536
 Ion Ratio Lower Upper
 95 100
 97 0.0 44.0 81.8#
 132 0.0 71.7 133.3#
 130 0.0 71.1 132.1#



#35
 Methylcyclohexane
 Concen: 0.736 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU039832.D
 Acq: 10 Aug 2020 18:35

Tgt Ion: 83 Resp: 6449
 Ion Ratio Lower Upper
 83 100
 55 0.0 59.4 89.0#
 98 0.0 39.0 58.4#

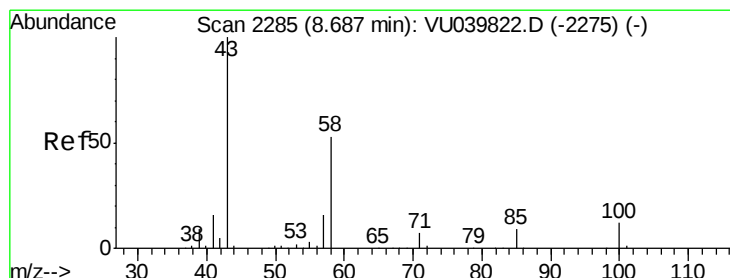
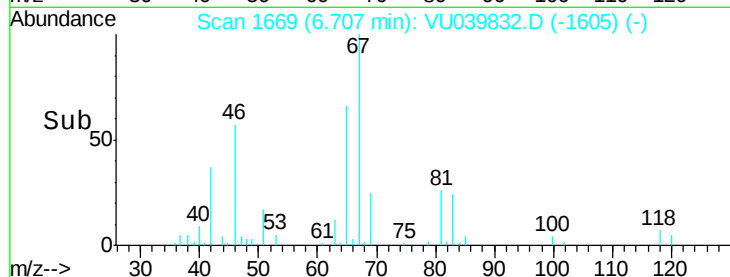
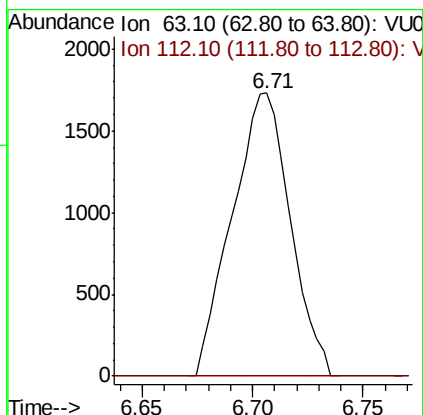
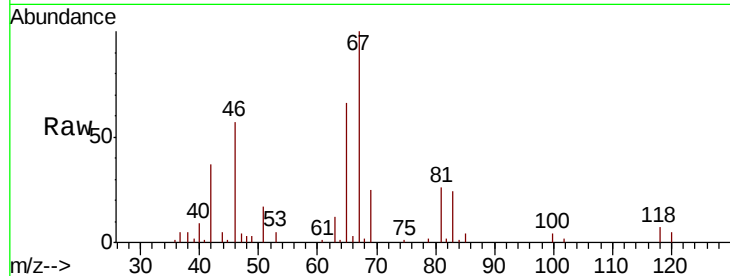




#37
 1,2-Dichloropropane
 Concen: 0.563 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.09 min
 Lab File: VU039832.D
 Acq: 10 Aug 2020 18:35

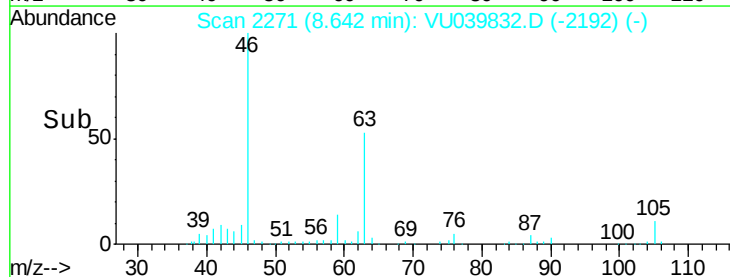
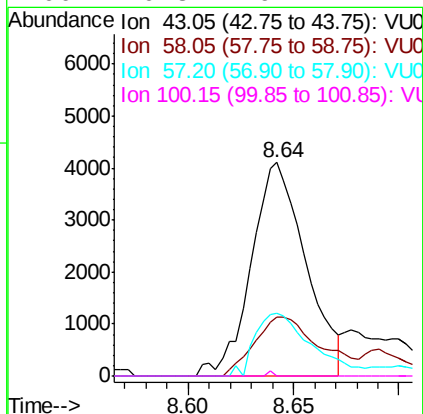
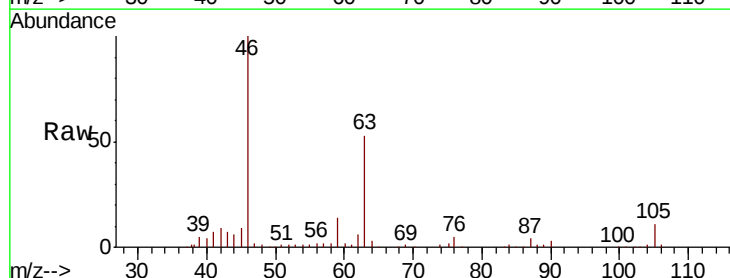
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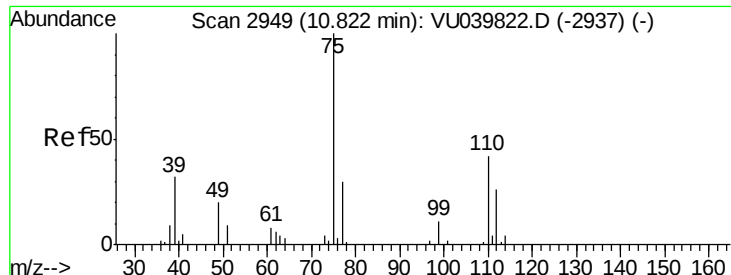
Tot Ion: 63 Resp: 3162
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.8 5.6#



#48
 2-Hexanone
 Concen: 2.432 ug/L
 RT: 8.64 min Scan# 2271
 Delta R.T. -0.04 min
 Lab File: VU039832.D
 Acq: 10 Aug 2020 18:35

Tgt Ion: 43 Resp: 7373
 Ion Ratio Lower Upper
 43 100
 58 33.5 41.8 62.8#
 57 30.7 14.2 21.4#
 100 0.3 9.4 14.2#





#59

1,2,3-Trichloropropane

Concen: 1.180 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU039832.D

Acq: 10 Aug 2020 18:35

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 4780

Ion Ratio Lower Upper

75 100

77 41.3 24.6 37.0#

